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1883-1887

—8—

OBSERVATIONS OF COMETS,

1883.

CAT. FOR
ASTRONOMY

PUBLICATIONS OF THE CINCINNATI OBSERVATORY.

—8—

OBSERVATIONS OF THE COMETS

OF 1883,

BY

H. C. WILSON, A. M., ASTRONOMER, *pro tem.*

PUBLISHED UNDER THE DIRECTION OF

J. G. PORTER, A. M., ASTRONOMER.

CINCINNATI:
PUBLISHED BY AUTHORITY OF THE BOARD OF DIRECTORS OF THE UNIVERSITY.
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PREFACE.

THE appearance of the great comet of 1881, directed the attention of the astronomers of this Observatory, which had previously been given almost exclusively to double-star work, to the inviting and important field of cometary research. The results of the observations of the comets of 1881 and 1882 have already been given to the public in Publication No. 7 of the Cincinnati Observatory. The present publication embodies the results of observations on comets 1883, I. and II., made by Mr. H. C. Wilson, assistant astronomer, during the time that he was in charge of the observatory as astronomer *pro tempore*. The discussion of the physical observations is based upon the investigations of Dr. Bredichin, which will be found in the Annals of the Moscow Observatory. A summary of the formulæ used is given in Publication No. 7 of the Cincinnati Observatory, of which this is a continuation.

It is confidently hoped that the present publication will prove a welcome addition to our knowledge of these wonderful bodies, and materially aid in the solution of the problem concerning their physical constitution.

J. G. PORTER,
Astronomer of the Cincinnati Observatory.

INTRODUCTION.

DURING the year 1883, three comets were observed. The first of these was the great comet of September, 1882; which remained visible during the first four months of 1883. The Cincinnati observations of this comet were given in the preceding number of the publications of the Observatory.

Comet 1883, I., was discovered by Mr. W. R. Brooks, of Phelps, N. Y., and also by Mr. Lewis Swift, of Rochester, N. Y., on the same night, February 23. It had already passed perihelion, and was receding from the earth, so that it did not become a conspicuous object. The weather at Mt. Lookout was unfavorable, so that but few observations could be obtained.

Comet 1883, II., was also discovered by Mr. Brooks, on the night of September 1. It soon became evident that this comet was moving in an elliptic orbit, identical with that of the comet discovered by Pons in 1812, and was in fact the same comet returning, according to prediction, after a 70 years' journey into the regions beyond the orbit of Neptune. At the time of discovery, it was a very faint telescopic object, but as there were yet nearly five months before perihelion passage, and at its previous apparition the comet had been quite conspicuous, I resolved to watch it as closely as the weather would permit, and to make a series of sketches and micrometric measures.

The course of the comet was very favorable. From the point of discovery, in the constellation of Draco, it passed in a slow curve south and east through the western sky of the early evening, attaining its greatest brilliancy and most favorable position, with reference to the earth and sun, during the month of January, 1884. After February 1, it was too far south to be seen in this latitude, but was followed by observers in the southern hemisphere, until the middle of the summer. The increase in brightness of this comet as it approached the earth and sun, was very irregular, and not in accordance with the theoretical law of the light of planets. The testimony of many observers goes to show that there were sudden outbursts of light, corresponding to extraordinary discharges of matter from the nucleus. There were also marked changes in the form and relative brightness of the parts of the head.

After December 28, I endeavored to obtain three sketches each night, one in the open air with an opera-glass, magnifying power 2.5; the others with the 11-inch equatorial and its finder. Eyepiece 90 was generally used with the

equatorial. The finder has an object glass of 2.5 inches aperture, and a magnifying power of 30. The method of making the sketches was, first, to draw the outlines of the comet, then plot the stars by eye, then fill in the shading of the comet. On the next day, or as soon as possible thereafter, the stars were identified, and their positions, taken from *Argelander's Durchmusterung* and other catalogues, reduced to 1884.0. These and the position of the nucleus were then plotted accurately upon sheets of black show-card, and the comet drawn in white, according to the proportions given by the pencil sketches. In the sketches made with the equatorial, there were not sufficient stars to determine the scales. The figures of the head of the comet on Plates I. to XI. represent the actual size of the sketches in the observing books. The lithographer, in reproducing the drawings, has made the fainter parts of the comet much brighter than they really appeared in the telescope.

The reduction and discussion of the observations have been conducted by the same methods which were used in the preceding publication (No. 7). The results of the observations of the tail, as indicated on Plates XII. and XIII., show that the Pons-Brooks comet, although variable as to its light and the form of its head, yet adds its confirmation to the theory of Dr. Bredichin as to the form of the tail.

Acknowledgements are due to the Directors of the Dudley and Harvard College Observatories for a number of star places taken from the unpublished zone observations of the respective observatories, and to Mr. H. V. Egbert for a number of star places found in catalogues which are not in the possession of this Observatory.

H. C. WILSON,
Assistant Astronomer.

POSITION OBSERVATIONS

OF THE

COMETS OF 1883.

Number.	Date.	Mt. Lookout Mean Time.	$\Delta\alpha$ Comet—*	Refraction.	$\Delta\delta$ Comet—*	Refraction.	No. of Comparisons.
	1883	h. m. s.	m. s.	s.	′ ″	″	
1	February 28	8 21 39	—0 10.00	+0.02	+0 31.6	+0.2	8.6
2	... 28	8 21 39	—0 24.88	...	...	...	8.0
3	... 28	8 21 39	—1 05.14	—0.12	—4 05.3	—1.6	8.4
4	March 2	8 03 58	+0 35.29	—0.03	—3 47.8	—0.5	18.6
5	... 7	7 55 21	—0 04.17	—0.02	—5 27.8	—0.3	10.4
6	... 7	7 55 21	—0 29.89	—0.03	—7 46.2	—0.5	10.2
7	... 8	7 51 07	+2 02.12	0.00	—0 49.5	—0.0	10.8
8	April 3	8 54 03	—0 25.43	+0.03	+3 59.3	+0.5	10.6
9	... 3	8 54 03	—0 42.22	+0.03	+4 08.8	+0.5	10.5
	Comet 1883, II (Pons-Brooks).						
10	September 5	10 10 57	+0 43.17	+0.02	—2 51.5	0.0	10.6
11	... 6	9 29 29	—0 23.93	—0.01	+2 12.0	0.0	10.6
12	... 10	14 26 36	—6 48.27	0.00	+0 22.5	0.0	6.4
13	... 26	9 06 26	—6 08.20	+0.01	—4 07.3	—0.2	6.6
14	... 28	9 09 16	+4 15.18	—0.01	+3 59.3	+0.1	6.2
15	... 28	9 09 16	+2 53.08	—0.01	+2 57.7	+0.1	6.2
16	... 28	9 30 37	—0 36.25	...	...	...	6.0
17	... 28	9 37 28	+0 01.11	+0.01	—2 05.7	—0.1	18.6
18	October 8	8 23 24	—0 46.07	—0.01	+5 24.8	+0.2	12.6
19	... 30	7 57 54	—0 05.14	...	...	...	10.0
20	... 30	7 57 54	—0 31.34	0.00	—3 22.3	—0.1	10.6
21	... 31	8 27 04	+4 38.66	0.00	—2 20.5	—0.1	10.6
22	November 1	9 49 25	—2 33.74	0.00	—0 45.1	—0.1	10.6
23	... 2	9 07 30	—0 36.46	0.00	—11 31.4	—0.5	14.8
24	... 12	8 11 15	—4 06.43	0.00	+0 17.6	0.0	6.4
25	... 16	7 14 48	+1 05.07	+0.01	—6 57.9	—0.1	10.4
26	... 17	7 13 40	+1 38.23	—0.01	+3 42.3	+0.1	14.4
27	... 19	7 16 52	+1 59.53	+0.01	—4 12.1	—0.1	10.4

Number.	Apparent R. A.			Parallax.	Apparent Decl.			Parallax.	Observer.	Comparison Star.	Notes.
	h.	m.	s.	s.	°	′	″	″			
1	23	46	10.48	+0.44	+31	41	26.7	+5.0	W	1	Very easy to observe.
2		...		...		...		...	W	2	
3	23	46	10.26	+0.44	+31	41	26.5	+5.0	W	3	
4	0	05	21.83	+0.46	+31	58	03.2	+4.6	W	4	Bright; easy.
5	0	52	39.47	+0.46	+31	44	03.4	+4.1	W	5	Bright; easy.
6	0	52	39.38	+0.46	+31	44	01.5	+4.1	W	6	
7	1	01	47.62	+0.45	+31	32	35.4	+3.9	W	7	Nucleus almost stellar.
8	3	47	31.03	+0.31	+19	49	18.5	+3.3	W	8	
9	3	47	31.03	+0.31	+19	49	18.7	+3.3	W	9	
											Comet 1883, II (Pons-Brooks).
10	16	33	12.45	+0.43	+64	24	55.1	+0.1	W	10	Faint; very difficult.
11	16	32	16.68	+0.39	+64	12	56.0	−0.3	W	11	Very faint.
12	16	28	55.84	+0.29	+63	19	11.9	+3.2	W	12	Transits a little uncertain.
13	16	25	48.84	+0.42	+59	51	21.4	+0.6	W	13	Much brighter; easily observed.
14	16	26	24.8	+0.43	+59	25.8		+0.8	W	14	Nucleus indistinct; transits uncertain.
15	16	26	28.9	+0.43	+59	25.8		+0.8	W	15	
16		...		...		...		...	W	16	
17		...		...		...		...	W	17	
18	16	32	04.92	+0.42	+57	16	13.3	+0.8	W	18	Faint in moonlight, but nucleus is visible.
19		...		...		...		...	W	19	
20	17	01	14.69	+0.46	+52	55	34.6	+1.7	W	20	Nucleus distinct.
21	17	03	11.16	+0.47	+52	44	16.6	+2.1	W	21	
22	17	05	15.60	+0.43	+52	32	38.6	+3.4	W	22	
23	17	07	12.88	+0.46	+52	21	51.9	+2.8	W	22	
24	17	30	31.42	+0 50	+50	33	28.8	+2.6	W	23	
25	17	41	38.99	+0.51	+49	49	09.4	+1.9	W	24	
26	17	44	39.41	+0.51	+49	37	42.3	+1.9	W	25	
27	17	50	53.79	+0.52	+49	14	12 8	+2.1	W	26	

Number.	Date.	Mt. Lookout Mean Time.	$\Delta\alpha$ Comet—*	Refraction.	$\Delta\delta$ Comet—*	Refraction.	No. of Comparisons.
	1883	h. m. s.	m. s.	s.	′ ″	″	
28	November 24	9 23 33	—0 10.86	—0.03	—5 59.7	—0.6	18.6
29	... 26	7 19 22	+1 57.87	+0.01	—8 47.1	—0.2	15.5
30	... 27	8 24 32	+0 35.17	0.00	—2 19.5	—0.1	12.4
31	... 27	8 28 08	+7 13.32	0.00	—3 05.4	—0.1	4.2
32	... 27	8 49 07	+1 38.90	0.00	—2 17.9	—0.1	4.1
33	... 28	7 22 21	+0 41.10	0.00	—1 34.0	—0.1	14.4
34	... 28	7 22 21	—0 22.17	0.00	—3 55.1	—0.2	14.4
35	December 1	8 10 02	—2 34.90	0.00	+6 29.2	+0.2	16.6
36	... 4	7 25 00	—3 03.98	—0.01	+8 49.9	+0.2	10.6
37	... 4	7 25 05	—3 03.22	—0.01	...	...	10.0
38	... 5	7 22 13	+3 38.99	0.00	—3 00.7	—0.1	8.4
39	... 8	7 12 02	+3 17.06	0.00	+4 54.0	+0.1	6.2
40	... 8	7 35 32	+0 31.97	0.00	+6 34.2	+0.2	10.2
41	... 11	7 21 06	—1 21.84	0.00	—3 16.4	—0.1	10.6
42	... 11	7 21 22	—0 39.04	0.00	...	...	10.0
43	... 11	7 21 22	—0 45.11	0.00	...	...	10.0
44	... 21	8 42 40	+2 47.39	—0.02	—7 52.0	—0.5	8.5
45	... 21	8 50 35	+0 12.07	0.00	...	...	6.0
	1884						
46	January 3	7 28 13	—0 40.83	0.00	+3 22.3	+0.1	10.6
47	... 5	7 36 37	+1 19.04	—0.01	—6 50.1	—0.2	10.4
48	... 9	7 58 57	—0 14.82	—0.01	—3 55.1	—0.2	22.6
49	... 11	7 30 58	—1 42.97	+0.01	...	...	10.0
50	... 11	7 31 32	—2 00.91	0.00	—2 12.8	—0.1	16.6
51	... 12	7 30 52	+0 17.60	—0.01	—2 34.8	—0.1	30.10
52	... 12	7 31 02	+0 26.39	0.00	...	...	20.0
53	... 17	8 07 40	+5 23.00	+0.03	+2 47.5	+0.4	2.2
54	... 21	7 44 04	—0 31.62	+0.01	+0 49.4	+0.1	10.6
55	... 24	7 37 53	+1 32.85	+0.06	+4 13.5	+0.9	9.4
56	... 25	7 43 58	—0 18.63	—0.01	—0 19.2	—0.1	10.6
57	... 26	7 22 21	+1 39.00	—0.06	—4 46.7	—1.0	10.4
58	February 1	6 57 49	+1 46.90	+0.10	+4 37.0	+1.7	2.2

Number.	Apparent R. A.			Parallax.	Apparent Decl.			Parallax.	Observer.	Comparison Star.	Notes.
	h.	m.	s.	s.	°	′	″	″			
28	18	08	20.39	+0.52	+48	10	05.6	+4.6	W	27	
29	18	15	32.48	+0.56	+47	43	38.2	+2.5	W	28	
30	18	19	37.38	+0.56	+47	28	31.8	+3.8	W	29	
31	18	19	38.54	+0.57	+47	28	33.0	+4.3	W	30	
32	18	19	40.0	+0.57	+47	29.3		+4.2	W	31	
33	18	23	27.2	+0.58	+47	13.7		+2.7	W	32	
34	18	23	27.65	+0.58	+47	14	14.6	+2.7	W	33	
35	18	36	17.47	+0.60	+46	25	08.2	+3.8	W	34	
36	18	49	52.97	+0.61	+45	30	14.4	+3.1	W	35	
37	18	49	52.87	+0.61		...		...	W	36	
38	18	54	41.41	+0.62	+45	09	50.4	+3.1	W	37	
39	19	09	50.2	+0 63	+44	00.8		+3.0	W	38	
40	19	09	55.06	+0.64	+44	01	41.5	+3.5	W	39	
41	19	26	11.72	+0.65	+42	41	26.7	+3.4	W	40	
42	19	26	11.57	+0.65		...		...	W	41	
43	19	26	11.80	+0.65		...		...	W	42	
44	20	29	05.31	+0.72	+35	52	38.8	+6.2	W	43	
45	20	29	08.0	+0.72		...		...	W	44	
46	22	01	15.75	+0.68	+18	58	02.2	+6.6	W	45	
47	22	15	22.01	+0.68	+15	28	11.5	+7.2	W	46	
48	22	42	29.96	+0.68	+ 8	02	35.3	+8.1	W	47	Bright moonlight.
49	22	55	12.44	+0.62		...		...	W	48	Sky hazy; moonlight.
50	22	55	12.47	+0.62	+ 4	16	51.2	+8.3	W	49	
51	23	01	25.17	+0.62	+ 2	22	58.1	+8.3	W	50	
52	23	01	25.52	+0.62		...		...	W	51	
53	23	30	25.42	+0.63	− 6	52	49.2	+8.7	W	52	
54	23	50	36.67	+0.57	−13	35	45.9	+8.8	W	53	
55	0	04	10.85	+0.57	−18	09	07.8	+8.7	W	54	
56	0	08	26.00	+0.55	−19	34	56.5	+8.6	W	55	
57	0	12	28.02	+0.52	−20	56	10.9	+8.7	W	56	Hazy; nucleus indistinct.
58	0	34	09.58	+0.46	−28	11	03.7	+8.4	W	57	Nucleus very blurred.

Number.	Mean R. A. 1883.0			Reduction to Apparent Place	Mean Decl. 1883.0			Reduction to Apparent Place.	Authority.
	h.	m.	s.	s.	°	′	″	″	
1	23	46	20.33	+0.13	+31	40	49.4	+ 5.5	Leyden A.G.-Zones.
2	23	46	35.	+0.13	+31	41		+ 5.5	Anonymous. Est. mag. 10.
3	23	47	14.99		+31	45	27.4		Lalande 46809.
			15.47				28.0		Leyden A.G.-Zones.
			15.39	+0.13			27.9	+ 5.5	Assumed ⅛ (Lal. + 4 Ley.).
4	0	04	46.24		+32	01	43.9		Weisse 0^h 56–57.
			46.43				46.6		Leyden A.G.-Zones.
			46.37	+0.20			45.9	+ 5.6	Assumed ⅙ (2 W + 4 L).
5	0	52	42.99		+31	49	21.8		Lalande 1663.
			43.38				27.5		Weisse 0^h 1315.
			43.24				26.0		Leyden A.G.-Zones.
			43.29	+0.36			26.5	+ 5.0	Assumed ⅙ (2 W + 4 L).
6	0	53	08.28		+31	51	44.3		Lalande 1677.
			09.29				44.4		Weisse 0^h 1326.
			08.91				42.4		Leyden A.G.-Zones.
			08.93	+0.37			43.2	+ 5.0	Assumed ¼ (L + 2 W + 4 Ley.). Proper motion in R. A. assume $+0^s.023$.
7	0	59	44.87		+31	33	19.2		Lalande 1899–1900.
			45.30				22.4		Weisse 0^h 1464.
			45.08				19.2		Leyden A.G.-Zones.
			45.11	+0.39			20.1	+ 4.8	Assumed ¼ (L + 2 W + 4 Ley.).
8	3	47	55.55		+19	45	19.8		Weisse 3^h 1013.
			55.71				23.0		Yarnall 1708.
			55.66	+0.77			21.9	− 3.2	Assumed ⅙ (2 W + 4 Y).
9	3	48	12.46		+19	45	11.7		Weisse 3^h 1019.
			12.45				13.4		Yarnall 1712.
			12.45	+0.77			12.6	− 3.2	Assumed ⅙ (2 W + 4 Y).
10	16	32	29.56		+64	27	27.8		O.Arg.N. 16374.
			29 30				25.4		Krueger A.G.-Zones.
			29.39	−0.13			26.2	+20.4	Assumed ⅙ (2 O + 4 K).
11	16	33	40.04		+64	10	27.4		Fedorenko 2804.
			40.89				22.9		O.Arg.N. 16400.
			40.93				22.8		Radcliffe 3587.
			40.72				23.7		Krueger A.G.-Zones.
			40.75	−0.13			23.6	+20.4	Assumed $\frac{1}{10}$ (F + 2 O + 3 R + 4 K)
12	16	35	43.90		+63	18	28.5		Fedorenko 2808.
			44.37				29.7		O.Arg.N. 16415.
			44.50				28.5		Radcliffe 3592. [151
			44.24				28.8		Greenwich Nine Year Catalogue
			44.31	−0.20			28.9	+20.5	Assumed $\frac{1}{10}$ (F + 2 O + 3 R + 4 G) Proper motion in Decl. assume −0″.14.
13	16	31	57.91		+59	55	12.1		Fedorenko 2799.
			57.49				09.7		Krueger A.G.-Zones.
			57.57	−0.54			10.2	+18.7	Assumed ⅛ (F + 4 K).

Number.	Mean R. A. 1883.0			Reduction to Apparent Place.	Mean Decl. 1883.0			Reduction to Apparent Place.	Authority.
	h.	m.	s.	s.	°	′	″	″	
14	16	22	10.2	−0.64	+59	21.5		+16.9	DM 59° 1723.
15	16	23	36.4	−0.63	+59	22.5		+17.1	DM 59° 1726.
16	16	27	00.		+59	23			Anonymous. Est. mag. 9.
17	16	26	22.		+59	26			Anonymous. Est. mag. 10.
18	16	32	51.50		+57	10	32.9		O.Arg.N. 16372.
			51.71				33.1		Krueger A.G.-Zones.
			51.64	−0.64			33.0	+15.3	Assumed ⅙ (2 O + 4 K).
19	17	01	20.		+52	55			Anonymous. Est. mag. 9.5.
20	17	01	46.63		+52	58	40.8		Harvard A.G.-Zones.
			46.55				43.4		Bonn 53° 1916.
			46.60	−0.57			41.7	+15.3	Assumed ⅙ (4 H + 2 B).
21	16	58	33.10		+52	46	22.5		Lalande 31112–3.
			33.07				24.0		Rümker 16h, nachtrag.
			33.10				24.6		O.Arg.N. 16737.
			33.10				20.6		Harvard A.G.-Zones.
			33.09	−0.59			22.5	+14.7	Assumed ⅛ (L + 2 R + 2 O + 4 H).
22	17	07	49.71		+52	33	10.6		Lalande 31378.
			49.96				08.5		Harvard A.G.-Zones.
			49.83				07.5		Washburn Publications I., page 46.
			49.88	−0.54			08.4	+15.4	Assumed ⅛ (L + 4 H + 3 W).
23	17	34	38.21	−0.36	+50	32	54.3	+16.9	Harvard A.G.-Zones.
24	17	40	34.24	−0.33	+49	55	50.7	+16.7	O.Arg.N. 17456.
25	17	43	01.48	−0.29	+49	33	43.2	+16.7	Bonn 49° 2689.
26	17	48	54.51	−0.26	+49	18	08.0	+17.0	O.Arg.N. 17595.
27	18	08	30.69		+48	15	50.2		Lalande 33610.
			30.82				45.9		Rümker 6332.
			30.78	−0.10			47.3	+18.6	Assumed ⅓ (L + 2 R).
28	18	13	34.45		+47	52	04.6		Rümker 6399.
			34.85				08.8		O.Arg.N. 18074.
			34.65	−0.05			06.7	+18.8	Assumed ¼ (2 R + 2 O).
29	18	19	02.36		+47	30	33.4		Rümker 6478.
			02.06				31.0		O Arg.N. 18176.
			02.21	0.00			32.2	+19.2	Assumed ¼ (2 R + 2 O).
30	18	12	25.26		+47	31	19.7		Lalande 33773.
			25.26				20.6		O.Arg.N, 18053.
			25.26	−0.04			20.2	+18.2	Assumed ⅓ (L + 2 O).
31	18	18	01.1	0.00	+47	31.3		+19.1	DM 47° 2621.
32	18	22	46.1	+0.04	+47	15.0		+19.5	DM 47° 2636.

Number.	Mean R. A. 1883.0			Reduction to Apparent Place.	Mean Decl. 1883.0			Reduction to Apparent Place.	Authority.
	h.	m.	s.	s.	°	′	″	″	
33	18	23	49.77	+0.05	+47	17	50.2	+19.6	O.Arg.N. 18273.
34	18	38	52.17	+0.20	+46	18	17.9	+20.9	Rümker 6662.
35	18	52	54.62		+45	20	58.1		Lalande 35446.
			56.61			21	00.5		O.Arg. N. 18783.
			56.48				04.2		Bonn 45° 2797.
			56.54	+0.36			02.3	+22.0	Assumed ¼ (2 O + 2 B).
36	18	52	56.05		+45	21	28.5		O.Arg.N. 18782.
			55.43				33.0		Bonn 45° 2796.
			55.74	+0.36			30.8	+22.0	Assumed ¼ (2 O + 2 B).
37	18	51	02.07	+0.35	+45	12	29.7	+21.5	O.Arg.N. 18748.
38	19	06	32.6	+0.53	+43	55.5		+22.7	DM 43° 3172.
39	19	09	22.55		+43	54	43.2		Weisse 19h 256.
			22.53				44.8		Rümker 7243.
			22.54	+0.55			44.0	+23.1	Assumed ¼ (2 W + 2 K).
40	19	27	32.75		+42	44	19.0		Lalande 37065–6.
			32.67				17.2		Rümker 7595.
			32 93				19.6		Radcliffe 4342.
			32.81	+0.75			18.7	+24.5	Assumed ⅙ (L + 2 Rüm. + 3 Rad.)
41	19	26	49.86	+0.75	+42	43	23.8	+24.4	Rümker 7578.
42	19	26	55.97		+42	47	33.1		Lalande 37039–40.
			55.90				30.5		Rümker 7580.
			56.39				32.1		Radcliffe 4340.
			56.16	+0.75			31.7	+24.4	Assumed ⅙ (L + 2 Rüm. + 3 Rad.)
43	20	26	16.44	+1.50	+36	00	03.5	+27.8	Weisse 20h 875.
44	20	28	54.4	+1.54	+35	52.7		+28.8	DM 35° 4164.
45	22	01	53.9		+18	54	08.		D'Agelet.
			53.47				13.0		Piazzi XXI. 406.
			53.67				12.8		Lalande 43153.
			54.25				10.8		Lamont 1491.
			53.98	+2.60			11.6	+28.2	Assumed ⅛ (P + Lal. + 3 Lam.).
46	22	14	00.02		+15	34	33.5		Weisse 22h 246.
			00.37				33.5		Lamont 1561.
			00.34				35.9		Wien Zones (115) 163.
			00.29	+2.69			34.5	+27.3	Assumed ⅛ (2 W + 3 L + 4 Wien)
47	22	42	41.91	+2.88	+ 8	06	05.3	+25.3	Weisse 22h 866.
48	22	56	52.80		+ 4	11	40.7		Weisse 22h 1170.
			52 29				38.3		Albany A.G.-Zones.
			52.46	+2.94			39.1	+24.0	Assumed ⅙ (2 W + 4 A).

Number.	Mean R. A. 1883.0			Reduction to Apparent Place.	Mean Decl. 1883.0.			Reduction to Apparent Place.	Authority.
	h.	m.	s.	s.	°	′	″	″	
49	22	57	10.02		+ 4	18	50.4		Lalande 45083.
			10.60				41.7		Weisse 22h 1176.
			10.33				39.7		Grant 6050.
			10.43				39.8		Albany A.G.-Zones.
			10.42	+2.96			40.1	+24.0	Assumed $\frac{1}{10}$ (2 W + 4 G + 4 A).
50	23	01	04.16		+ 2	25	14.0		Lalande 45206.
			04.68				09.0		Weisse 22h 1257.
			04.46				10.4		Schjellerup 9494–5–6.
			04.59				08.6		Grant 6070.
			04.70				10.5		Albany A.G.-Zones.
			04.62	+2.96			09.6	+23.4	Assumed $\frac{1}{12}$ (2 W + 2 S + 4 G + 4 A).
51	23	00	56.50		+ 2	24	15.5		Weisse 22h 1252.
			56.00				12.5		Albany A.G.-Zones.
			56.17	+2.96			13.5	+23.4	Assumed $\frac{1}{6}$ (2 W + 4 A).
52	23	24	59.17		− 6	55	48.6		Lalande 46034.
			59.54				58.2		Weisse 23h 467.
			58.98				57.9		Rümker 11271.
			59.58				55.8		Lamont 4755.
			59.40	+2.99			57.1	+20.0	Assumed $\frac{1}{4}$ (2 W + 2 R + 3 Lam.).
53	23	59	03.55		−13	36	43.4		Lalande 46929.
			05.31				52.5		Weisse 23h 1014.
			05.31	+2.97			52.5	+17.1	Assumed W.
54	0	02	34.73		−18	13	35.9		Lalande 47332.
			34.90				36.4		O.Arg.S. 12.
			35.28				40.8		Washington Zones.
			35.02	+2.92			37.4	+15.2	Assumed $\frac{1}{4}$ (L + 2 O + W).
55	0	08	41.79		−19	34	45.1		Lalande 169–170–171.
			41.96				46.4		Armagh 25.
			41.74				43.7		Washington Zones.
			41.63				51.8		Bruxelles Zones.
			41.83				51.8		Stone 70.
			41.73	+2.91			51.8	+14.6	Assumed $\frac{1}{8}$ (4 Br. + 4 S).
56	0	10	46.29		-20	51	35.9		Lalande 234.
			45.76				42.3		Washington Zones.
			46.37				35.8		Bonn 21.
			46.20	+2.88			37.4	+14.2	Assumed $\frac{1}{4}$ (L + W + 2 B).
57	0	32	20.00		-28	15	53.8		Lalande 979.
			19.75				55.9		O.Arg.S. 315.
			19.93				54.8		Washington Zones.
			19.93				52.6		Bonn 49.
			19.90				52.9		Cordoba Zones.
			19.89	+2.69			53.8	+11.4	Assumed $\frac{1}{11}$ (L + 2 O + 2 W + 2 B + 4 C).

Notes on Comet 1883, I (Brooks-Swift).

February 28, 1883.

"Comet picked up by sweeping with four inch telescope. Bright round head, but very faint tail. Strong condensation at the center of the head. Very easy to observe."

March 2.

"Head bright; strongly condensed toward the center. Tail scarcely visible, but can be traced to one diameter of the field, power 90."

March 7.

"Head round; condensed in the center. Brightness of the center equal to seventh magnitude star. Tail very faint."

March 8.

"Comet seems brighter than last night. Nucleus seems almost stellar with power 90. With powers 230 and 450 the nucleus is still very much condensed in the center, although considerably spread out."

Notes on Comet 1883, II (Pons-Brooks).

September 5, 1883, $10^h\ 00^m$—$10^h\ 30^m$.

"Comet was so faint that scarcely any illumination of the micrometer wires was possible."

September 6, $9^h\ 15^m$—$9^h\ 45^m$.

"Comet very faint."

September 10, $13^h\ 55^m$—$14^h\ 55^m$.

"Comet very faint, but condensed in the center. Transits were a little uncertain. Could not see it near the wires with the least illumination. Not visible in the finder."

September 26, $8^h\ 30^m$—$9^h\ 40^m$.

"The comet is much brighter than it was on the 10th. Easily visible in the finder. Has no tail. It is nearly round, strongly condensed in the center; and I thought I could see at times a distinct nucleus of about the ninth magnitude, but was not certain"

September 28, 9^h—10^h.

"The nucleus was not distinct, so that it was hard to get the exact times of transit. At times there seemed to be two condensations."

October 8, $8^h\ 05^m$—$8^h\ 40^m$.

"Comet faint in moonlight, but nucleus visible; equal to ninth magnitude star. Moon at first quarter."

October 30, $8^h\ 15^m$. Sketch Plate I.

"With power 90 the nucleus is nearly equal in brightness to star *b* [anonymous; estimated magnitude 9.5]. A short tail is suspected, but not certainly seen. With power 450 the nucleus is, at least, one magnitude fainter than the star *b*, but is larger. Part of the tail can be seen."

October 31, 8^h—9^h.

"Appearance of the comet the same as last night."

November 1, $9^h\ 30^m$—$10^h\ 10^m$.

"Appearance not perceptibly changed from last night. With power 450 the nucleus does not appear at all stellar, but is very dense in the center."

November 2, $8^h\ 50^m$—$9^h\ 20_m$. Position observed, but no notes; therefore nothing peculiar.

November 12, $7^h\ 55_m$—$8^h\ 25^m$.

"Comet is very faint in moonlight. Strongly condensed in the center, so that its position can be quite accurately determined."

November 16, $7^h\ 05^m$—$7^h\ 25^m$. No notes.

November 17, 7^h—$7^h\ 30^m$.

"Nucleus almost stellar, tenth magnitude. Coma round, fading equally in all directions from the nucleus."

November 19, 7^h—$7^h\ 35^m$.

"Comet is a little brighter than on the 17th, and shows more of a tail. The nucleus is dense and almost stellar in appearance. Looked at comet with powers 230 and 450, but could not see it distinctly. Sky a little hazy."

November 24, 9^h—10^h. Sketch Plate I.

"Comet is in a group of three stars. In the finder the nucleus is about as bright as star *c* [*DM* 48° 2651 (8.5 m.)]. In power 90 it is much fainter than *c*, not brighter than a 9.5 magnitude star. Coma round, bright, and fading gradually from the nucleus. Tail is plainly visible to star *a* [*DM* 48° 2652 (6.5 m.)].

Looked at comet with power 450, but the sky being a little hazy, I could not make much out. The nebulosity is very bright close to the nucleus."

November 26, 7h—7h 40m.

"Comet is considerably brighter than on the 24th. In the finder it is brighter than the comparison star [*DM* 47° 2608 (8.0 m.)]. It is equal to star *b* [*DM* 48° 2669 (6.7 m.)] in brightness. With power 450 the nucleus seems a little elongated in approximately the direction of the tail. The nebulosity is most abundant in P. A. 150° roughly."

November 27, 7h 40m—8h 50m. Sketches Plate I.

"Comet is of about the same brightness as last night. I examined the nucleus with powers 90, 150, 230 and 450. Nucleus is stellar with each. With 450 it is a little blurred, but much brighter than the surrounding nebulosity. The apex of the head is certainly not round. The outlines can only be seen by moving the telescope back and forth. Both nucleus and coma seem to change frequently in brightness. Nucleus is very minute, not more than twelfth magnitude. At times the nebulosity close to it becomes so bright as to make it appear equal to ninth magnitude. With power 90 nucleus is larger and brighter, equal 9.5 and at times ninth magnitude. P. A. of tail 25°.1."

November 28, 6h 50m—8h. Sketch Plate I.

"Estimated magnitude of nucleus, power 90, 10.0. P. A. of right edge of tail 17°.2 roughly. Right edge can be distinguished to diameter of field [18′] by moving telescope in R. A. Left side can not be distinguished more than ⅓ as far. Outline is about the same as last night. The apex is not convex. There is an eleventh magnitude star very near the nucleus. Its light is not at all dimmed by the coma. With power 450 there is a faint stellar nucleus, as on last night. The nebulosity is fainter, owing to the haziness of the sky. It appears to be densest in about P. A. 240°."

November 30, 7h 10m 7h 40m.

"Comet is brighter than on the 28th. Tail can be distinctly traced to one diameter of the field of the finder. The outlines of the head, with power 90, are the same as on the 28th. I am not so sure of seeing the faint outer curves. With power 450 the nucleus is stellar and the nebulosity fades away from it equally on all sides. 7h 37m—P. A. of wires tangent to right side of the tail, power 90, 29°.2. Clouded up suddenly."

December 1, 7h 15m—8h 35m.

"Comet is about the same in brightness as on last night. Tail can be traced to nearly one diameter of field of finder. Outlines of brighter part in power 90 are the same as on the 28th. The fainter outlines can not be certainly seen. I think there is faint nebulosity extending toward the sun to about 6′ from the nucleus. This is so faint as to be very uncertain. Can only be seen by moving the telescope. P. A. of wires parallel to right side of tail 32°.4. Estimated magnitude of nucleus 9.5."

December 3, 7h 15m—8h 10m. Sketch Plate I.

"Comet is visible to naked eye. I saw it also on last night with naked eye. ail can scarcely be seen at all in the finder, however. Moonlight, and sky a ttle hazy. A very faint extension can be seen toward the sun about ⅓ diameter the field, power 90. Nucleus is stellar with powers 90 and 230. Blurred with 50. It is much brighter than the nebulosity immediately surrounding it. No dication of jets yet. With 450 the outlines are the same as with 90. P. A. of rightest part of tail 31.°7; very uncertain, as I can not illuminate the wires and e the tail distinctly at the same time. There is no good comparison star near ough to measure position of nucleus."

December 4, 6h 50m—8h. Sketch Plate I.

"Nucleus brighter than on last night, and still stellar. Tail can scarcely be en at all, on account of the moonlight. P. A. of brightest part of tail 34.°2. he sketch shows what was visible with the wires slightly illuminated, power 90."

December 5, 7h—7h 40m.

"P. A. of right edge of tail 40.°2."

December 8, 7h 20m—7h 50m. No notes.

December 11, 7h 05m—7h 50m.

"In finder comet is brighter than the comparison star [*DM* 42° 337 (6.8 m.)]. n power 90 the nucleus is very minute, but bright like a star of about the 10th agnitude."

December 21, 8h 10m—9h 30m. Sketch Plate I.

"Nucleus is one magnitude brighter than star *b* [*DM* 35° 4157 (9.5 m.)] in ower 90. With power 450 nucleus and *b* are nearly equal in brightness, but ucleus has twice as large a disc as the star. P. A. of tail with nucleus at edge f field, power 90, 31.°1. Width 300″. Outer curves could not be seen with lumination. 9h 30m.—The nucleus will soon pass near a 10th magnitude star. he latter is now in the coma just east of the nucleus, and is invisible with power 0, whether on account of the haze of the comet or that of the earth's atmo- here near the horizon I can not tell. With power 450 the star is yet visible.

"The nucleus seemed at first to have a slight pink tinge. It is now almost aw color. There are no jets. In the finder the tail can be traced to nearly ne diameter of the field of view, and is perceptibly curved, being concave on ie right side. That side is much better defined than the left."

December 28, 6h 25m—6h 40m. Sketches Plate II.

"The tail is not yet plainly visible to the naked eye. In the finder I can ace it to two diameters of the field of view. In power 90 I can trace it to five iameters. The nucleus is brighter than any of the stars in the field of the finder, it not quite so bright as the star [ζ Cygni], which is visible to the naked eye ear the comet. The nucleus seems of a pink or fire color with power 90. ith higher powers the color seems less brilliant, but still is quite noticeable.

With 450 the nucleus has a perceptible size, but is quite hazy, although very di tinct from the surrounding nebulosity. P. A. of tail with nucleus at the edge the field, power 90, 40°.7."

December 29, 7h 30m—9h. Sketches Plate III.

"The nucleus is larger, but not quite so bright as on last night. A fan visible on the side toward the sun. This has no well-defined boundaries, b seems to be continually changing,—flashing out sometimes to the height of 1′ more, then again almost invisible. The color of the nucleus is pink or flesh color, less brilliant than last night. With power 450 the nucleus is large and ve hazy. With the finder it is brighter than any of the stars in the field of vie The tail could be traced nearly two diameters further than shown in the sketc before the clouds came over. P. A. of wires including the bright part of th tail with nucleus at the edge of the field, power 90, 40°.7.

"The sketch with the opera-glass was drawn from memory, after the sk clouded over. To the naked eye the head of the comet seemed midway i brightness between *b* [ζ Cygni] and *c* [κ Pegasi]. With the opera-glass the comet is equal to *b* [ζ Cygni]. With the eye the tail could be traced to *f* [31 Pegasi] and with the opera-glass to a distance equal to that of *g* [π Pegasi] from the nu cleus."

January 3, 1884, 7h 15m—8h. Sketches Plate IV.

"Estimated magnitude of nucleus 7.5. P. A. of bright part of tail, powe 90, 37°.2. The sky was quite hazy and the moon shining brightly, so that be little of the tail could be seen in the telescope, and the limits of the head, a sketched, are quite doubtful. The nucleus had the same appearance as whe last observed; a slight pinkish tinge of color. There was no fan or jets, and th nebulosity seemed to fade off gradually and equally in all directions. The brigh part of the tail was narrower than the coma, giving the head a bulbiform appear ance at moments when the fainter parts could not be seen. The nucleus and th comparison star seem to be about equal in size, but the light of the star is muc more intense and whiter than that of the nucleus. With powers 230 and 450 th nucleus is enlarged, but no definite disc is revealed. It is very much brighte than the nebulosity immediately surrounding it. To the naked eye the comet appears as a star, a little fainter than ζ Cygni and brighter than κ Pegasi. At P. M. I looked at the comet with the opera-glass and could trace the tail as a fain streak to *o* Pegasi and, perhaps, a little beyond. A slight curvature was notice able, the left side being convex."

January 5, 7h 20m—8h 30m. Sketches Plate V.

"7h 58m 7s.—The nucleus is within 5″ of a 9.5 magnitude star, but will no occult it. P. A. of middle of fan 238°.2. P. A. of the brightest part of tai 24°.2. Comet is faint in moonlight. Nucleus is very bright. There seems to b a stellar point within it and a faint fan or brush of light in the above P. A., and about 100° wide. Nucleus is pink and the fan pinkish. Coma is very faint, bluish drab color. In the finder the tail is very faint, and can be traced scarcely

›re than one diameter of the field. Nucleus is brighter than any of the stars the field of view. The sketch with power 90 was drawn from memory after ıving the dome. The star, although passing so near the nucleus, did not grow rceptibly fainter. With power 450 I estimated the shortest distance between ≥ star and nucleus at 5″. With this power the nucleus was quite large and ırred. The fan seemed to be flashing and varying continually, but its central rection was apparently constant and at a considerable angle with the direction the tail. To the naked eye the head of the comet appeared equal in brightness λ Pegasi. The tail was invisible, except near the nucleus."

January 9, 7h 15m—8h 15m. Sketches Plate VI.

"With opera-glass the comet is fainter than ζ Pegasi, equal to ξ Pegasi and ighter than σ or ρ Pegasi. 7h 32m.—P. A. of middle of fan 219°.8. P. A. of ightest part of tail 35°.7. In the finder the tail can not be traced at all, al-ough the nucleus and coma are bright.

"Estimated magnitude of nucleus, power 90, 7.0. With higher powers :arcely anything can be seen but the nucleus, and that is blurred and indistinct. he sky is quite hazy and the moonlight bright."

January 11, 7h—8h.

"Sky hazy and bright moonlight. Tail of comet can not be seen at all with ither naked eye or telescope. There seems to be a very faint "fan," which ashes out one moment and is invisible the next. It is impossible to determine s direction accurately. Nucleus is bright and planetary in appearance. 8h 00m. –P. A. of tail, power 90, 40°.7. This is little better than an estimate. It was btained by turning the light off and fixing in my eye the direction of the tail, ıen suddenly turning the light on and putting the wires in that direction. Three ther measures in the same manner give: 36°.4, 40°.4 and 36°.4. Wires moved n opposite direction for each successive measure. With powers 230 and 450 the ıucleus is not stellar, but is still quite small. The coma is round and fades off lmost equally in all directions. The light is a little stronger on the side toward he sun. The nucleus is pinkish in color, while the coma is almost blue."

January 12, 7h 10m—8h 10m. Sketch Plate VI.

"P. A. of middle of fan 225°.0. Sides can be seen to recurve to-night for he first time. Sketch *a* [in Plate VI] shows only what can be seen plainly with noderate illumination. 7h 50m.—P. A. of bright part of tail 27°.7, 27°.7, 30°.0, 17°.0; measures taken in the same manner as on last night. P. A. of right edge of tail 37°.7. The visible diameter of the head is not more than 3′, and the ength of the tail, easily seen, not more than 8′. In the finder the tail can not ›e traced to any star. The nucleus is brighter than any star in the field of view. With power 90 the nucleus is equal in magnitude to the comparison star [*DM* 2° 4619 (8.2 m.)], but its light is much less intense. With power 450 nucleus is much fainter than the star, but apparently about the same size. The fan and coma are almost invisible. To the naked eye the comet is equal to the bright star [γ Piscium] a little to the east and about the same declination. In the finder it is at least one magnitude fainter than this star."

January 13, 6h 10m. Sketch Plate VI.

"With opera-glass comet is equal in brightness to α Pegasi. Tail can hardly be seen beyond the faint star [*DM* 2° 4660]."

January 17, 8h—8h 15m. Sketches Plate VI.

"The sketch with power 90 was drawn from memory on the morning of January 18. The head was much brighter than hitherto. The faint curves $a\,b$ and $a\,c$ could be seen quite distinctly. The bright part $a\,d$ appeared a little wider and brighter than usual. The fan was bright, but not recurved. Its central direction was not directly opposite that of the bright part of the tail, but was turned at least 45° toward the right."

January 21, 7h—8h 10m. Sketches Plate VII.

"7h 00m.—With opera-glass comet is equal to τ Ceti in brightness.

"7h 16m.—P. A. of axis of tail	64.°2
"7h 21m.—P. A. of brightest direction of fan	209.°2
Distance of apex from nucleus	1′ 56″
" from nucleus to right side of head	3′ 24″
" " " left " "	3′ 35″
½ width of tail, opposite star,	5′ 04″

"7h 34m 19s.—The star [Lalande 46929] is now just in the edge of the tail.

"7h 56m.—With power 230 the nucleus seems more hazy than with 90, but there is a small bright point in the center. Power 450 produces a similar effect. With 90 the whole head is quite brilliant, nearly even in all parts except the fan. Perhaps the axis of the tail is a little the brightest, but very little. The nucleus has a flesh color."

January 22, 6h 55m—7h 30m. Sketches Plate VIII.

"The sketch in the finder was made through thin clouds. With power 90, the appearance is quite different from last night. The central streak is by far the brightest. The fan is scarcely visible. I can see that it is there, but can not define its outlines. Clouded up at 7h 8m. The sketch with power 90 was drawn from memory just after leaving the dome.

"7h 25m.—Gap in clouds. Middle direction of fan 218.°7. Above sketch is correct. Bright part of tail 72.°7. Cloudy again."

January 24, 6h 30m—8h 00m. Sketches Plate IX.

"The fan is quite indistinct, owing to the haze and smoke over the city. The nucleus is almost white, and a blaze of pink light seems to flash out opposite the bright part of the tail. The head fills the whole field of view, power 90. The outline is similar to that on the last night observed.

"7h 11m.—P. A. of bright part of tail	62.°7
P. A. of right edge of bright part	81.°2
P. A. of left edge of bright part	63.°7
P. A. of left edge of tail	28.°7
P. A. of middle direction of fan	50.°9

:xmined with bright illumination. Sky is clear at intervals.

"7^h 50^m.—P. A. of bright part of tail 64°.7
P. A. of middle of fan 38°.8."

January 25, 6^h 50^m—7^h 50^m. Sketches Plate X.

"With opera-glass comet is midway between β and η Ceti in brightness. l can be traced to a faint star [57 Ceti] east of η Ceti.

"7^h 18^m.—P. A. of middle of fan, power 90, 211°.7
P. A. of right side of tail 74°.7
P. A. of middle of tail 58°.2."

January 26, 7^h—7^h 40^m. Sketches Plate XI.

"7^h 15^m.—Faint in haze. Nucleus is distinct, however.

"7^h 36^m.—P. A. of tail 79°. No fan is visible."

February 1, 7^h 00^m.

"Too indistinct in haze near the horizon. The nucleus is bright, but very rred. Before commencing the observation for position, I traced the tail 4° or with the opera-glass. In the finder the tail is very faint, and can be traced y ½ diameter of field. In the large telescope the tail is not at all visible, and : head is round."

DISCUSSION OF THE NOTES.

At the time of discovery the comet was at a distance of 2.4 (in units of the lius of the earth's orbit) from the earth, and was approaching both the earth d the sun. It passed the point of nearest approach to the earth (0.635) on nuary 9, 1884, reaching perihelion 16 days later. The earth passed through : plane of the comet's orbit on December 6, 1883. Between December 21 and bruary 1 the position of the comet was quite favorable for observation, its distance being less than unity from both the earth and the sun, and the tail making a large angle with the line of sight. Previous to December 21 the tail was much foreshortened, and the discharges from the nucleus were emitted so nearly toward the earth that they obscured both themselves and the nucleus.

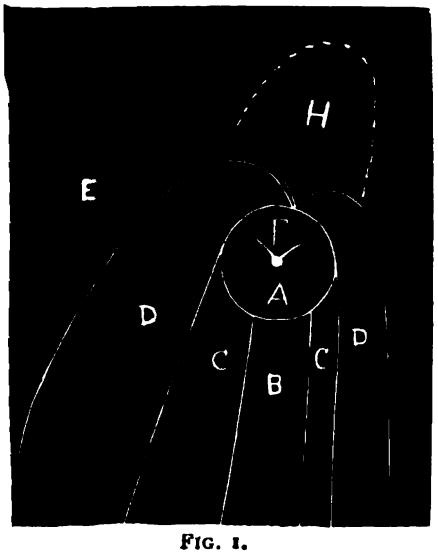

FIG. 1.

Outline of the Head.

The sketches of the head of the comet may all be represented approximately by the diagram figure 1. The first form was that of a simple round nebulosity represented by the circle *A*. The part *CC* began to develop toward the end of October. The bright streak *B* was first noticed November 27. *DD* was seen

after November 28. *E* was seen only on January 17. *H* was seen on the nights of December 1 and 3, when the earth was very near the plane of the comet's orbit, and was, perhaps, *E* viewed at a different angle. The tail of the comet then made a very small angle with the line of sight, and those parts which deviated most from the radius vector (Type III) may have been seen apparently projected toward the sun, while they really extended in the opposite direction. In order of brightness the parts of the head were *F*, *A*, *B*, *C*, *D*, *E*, *H*. On January 21 *A*, *B* and *CC* were of equal brilliancy, while *DD* was invisible.

Estimates of Brightness.

When discovered, this comet was a very faint, indistinct object, difficult to observe. It was round, slightly condensed in the center, but without a definite nucleus. Toward the end of September the condensation became so strong as to form a nucleus definite enough for exact determinations of the comet's position. During October a short tail became visible, indicating that matter was being thrown off from the nucleus, and after this marked variations were noticeable in the appearance of the nucleus and coma. At times the nucleus was large and hazy, seeming to be merely a condensation of the coma; at other times it was very minute, but bright and clearly defined, very distinct from the surrounding nebulosity. The coma was usually round and symmetrical, fading off evenly on all sides of the nucleus, but at times it was brighter and more extended on the side toward the sun. After December 29 the emissions from the nucleus became visible in the well-known form of the "fan". This was also quite variable, and thus affected the estimates of the head and nucleus. In the table [pages 20–21] I have collected the estimates of brightness of the head and nucleus, with some of the notes referring to them. The estimates of the head were made with the aid of an opera-glass, those of the nucleus with the 2½ inch finder and the 11 inch equatorial. The magnifying powers of the eye-pieces employed with the latter were 90 and 450. The magnitudes of the naked eye stars were taken from the *American Ephemeris*, those of the fainter stars from *Argelander's Durchmusterung*. The estimates made with power 90 have been corrected by comparison with my estimates of *DM* stars made on the same nights. There is usually a difference of about one magnitude between my estimates of comets as made with the finder and power 90, and about the same difference between powers 90 and 450. On several nights, however, the observations of this comet show greater differences. These are to be explained, probably, by the variations in the nebulous envelope immediately surrounding the nucleus.

The column m_0 gives the computed magnitude of the nucleus, assuming its light to vary according to the same law as that of the planets, and to have been at the time of discovery equal to that of a 12th magnitude star. It was at least no brighter than that.

The estimates do not show so close an agreement with the computed magnitudes, nor with each other, as in the case of the similar observations of comet *a*, 1882 (Publications of Cincinnati Observatory, No. 7, page 59). The discordance is due partly, perhaps, to the different conditions of the atmosphere in

which the observations were made, and partly to real variations resulting from intermittent discharges of matter from the nucleus into the nebulous envelope. The most notable differences occur on the dates of September 26, October 8, October 30, November 26, November 28, December 11 and January 13. Several observers testify to an unusual outburst on the part of the comet on September 22, followed by the formation of a faint tail, which was visible for only a few days. October 30 a faint tail was again visible. November 24 the nucleus was evidently getting ready for a new discharge, which, on the 26th, was very active, and resulted in the formation of the faint, broad tail, with the head indented on the side toward the sun. The brightness of the head on January 13 was the result of an extraordinary discharge, which was visible on the 12th as a brilliant fan. Another remarkable change occurred between January 17 and 21, but I neglected to estimate the magnitude of the nucleus on those dates.

Color of the Nucleus.

The color of the nucleus was first noted on December 21, when it had a slight pink tinge, which seemed to fade to straw color. December 28 it is described as pink or fire color. The same color is noted December 29, January 3, 5, 11 and 21. Jannary 22 it was white with flashes of pink.

The "Fan".

The "fan" was first noticed on December 29. It was invisible on January 3, but reappeared on January 5, and was seen on each observing night after that until January 26, when the comet was too far south to be well seen in this latitude. It was by no means conspicuous except on the one night, January 12, when it exhibited the brilliant recurved branches which formed so beautiful a feature of the great comet of 1881. The following table gives the measures of its position angle, and their reduction to the plane of the orbit.

		p	p_0	$p-p_0$	T	φ
January	5.567	238°.2	231°.7	+ 6°.5	87°.2	—11°.0
	9.548	219.8	237.2	—17.4	73.6	+19.3
	12.536	225.0	241.6	—16.6	77.4	+17.7
	21.541	209.2	255.3	—46.1	80.9	+45.7
	22.543	218.7	256.7	—38.0	81.4	+37.7
	24.534	230.9	259.7	—28.8	81.5	+28.4
	25.538	211.7	261.1	—49.4	81.4	+49.0

Excepting the first, these measures show that the middle direction of the fan was in advance of the radius vector, contrary to the conclusion drawn from similar observations of comet *b*, 1881 (Pub. No. 7, page 51). There were evident changes of direction of the fan as indicated by the measures, and in some cases these were recognized by the eye before the measures were taken.

ESTIMATES OF BRIGHTNESS OF THE PONS-BROOKS COMET.

Greenwich M. T.	m_o	Opera Glass.	Finder.	Power 90.	Power 450.	Notes.
Sept. 5, 659	12.0	...	Not visible.	...	...	Very faint.
6, 630	12.0	...	Not visible.	...	...	Very faint.
10, 834	11.9	...	Not visible.	...	...	Very faint.
26, 613	11.5	...	Easily seen.	9.5	...	Much brighter. Strong condensation.
28, 630	11.5	...	Easily seen.	Indistinct.	...	Perhaps two nuclei?
Oct. 8, 583	11.2	...	...	9.5	...	Faint in moonlight.
30, 577	10.4	...	...	9.5	10.5	Short tail suspected.
31, 586	10.4	...	...	...	...	Same as on preceding night.
Nov. 1, 658	10.3	...	...	...	Not stellar.	Appearance same.
2, 609	10.3	...	...	...	...	No notes.
12, 575	9.9	...	...	...	...	Faint in moonlight. Strongly condensed.
16, 536	9.8	...	...	...	...	No notes.
17, 535	9.7	...	...	10.0	...	Nucleus almost stellar. Coma round.
19, 537	9.6	...	...	Brighter.	Indistinct.	Nucleus almost stellar. Sky hazy.
24, 644	9.3	...	$=DM\ 48°\ 2651\ =8.5$	9.0	Indistinct.	Tail plainly visible. Coma round. Sky hazy.
26, 540	9.2	...	$>DM\ 47°\ 2608\ >8.0$ $=DM\ 48°\ 2669\ =6.7$	Brighter.	Elongated.	Coma brightest in P. A. 150°.
27, 554	9.2	...	...	Stellar. 9.0	Very minute. 12.	Changing frequently.
28, 567	9.2	...	...	10.0	Faint; stellar.	Sky hazy.

Dec. 1, 546	9.0	Visible.	...	9.5	...	Same as on preceding night.
3, 554	8.9	Visible.	...	Stellar.	Blurred.	Sky a little hazy.
4, 543	8.9	...	...	Stellar.	...	Brighter; moonlight.
5, 540	8.8	...	...	...	...	No notes.
8, 551	8.6	...	...	...	...	No notes.
11, 541	8.4	...	$>DM$ 42° 337 >6.8	Very minute. 10.0	...	
21, 602	7.7	...	...	1m. $<DM$ 35° 415 8.5	9.5	Nucleus has a larger disc than star. Color pink to straw.
28, 505	7.3	.	$<\zeta$ Cygni <3.0; $>DM$ 28° 4085 >7.3	...	Disc perceptible	Color of nucleus pink.
29, 567	7.2	½ (ζ Cygni + κ Pegasi) = 3.5	$>DM$ 27° 4107 >6.7	...	Large; hazy.	Nucleus larger, but not so bright; pink.
Jan. 3, 567	7.0	½ (ζ Cygni + κ Pegasi) = 3.5	...	7.0	Large; hazy.	Color pink.
5, 567	6.9	$=\lambda$ Pegasi $=4.0$	$>DM$ 18° 4930 >6.1	Very bright.	Large; blurred.	
9, 547	6.8	$<\zeta$ Pegasi <3.3; $=\xi$ " $=4.6$; $>\sigma$ " >5.0; $>\rho$ " >5.0	...	7.0	Blurred.	Sky hazy; moonlight.
11, 533	6.8		...	Bright; planetary.	Not stellar, but small.	Nucleus pink; moonlight.
12, 560	6.8	$=\gamma$ Piscium $=4.0$	1 m. $<\gamma$ Piscium $=5.0$	8.2	<8.2	Very bright fan.
13, 491	6.8	$=\alpha$ Pegasi $=2.0$	...	...	...	
17, 573	6.8	...	...	...	...	Head very bright.
21, 526	6.9	$=\tau$ Ceti $=3.3$	...	...	Hazy, with bright center.	Head very much brighter. Nucleus flesh color.
22, 534	6.9	...	...	...	...	
24, 533	7.0	...	...	...	...	Nucleus white.
25, 519	7.1	½ ($\beta+\eta$) Ceti $=2.6$	...	...	...	

Measures of Position Angle of the Tail with Power 90.

These measures were often very difficult because of the extreme faintness of the tail as seen with power 90. There was usually, however, a brighter streak (*B*) nearly parallel with the right (anterior) side of the tail. The right edge of the portion marked *CC* in the diagram was generally quite well defined, although faint, but the left was so indefinite that no attempt was made to measure its position angle except on one night, January 24.

Greenwich M. T.	p	p_0	$p-p_0$	T	φ	Part observed.
November 27.554	25°.1	30°.2	— 5°.1	102°.5	—31°.6	Axis.
28.567	17.2	30.0	—12.8	48.3	—91.7	*C*; right edge.
30.552	29.2	30.0	— 0.8	125.6	— 6.3	*C*; right edge.
December 1.546	32.4	29.9	+ 2.5	146.1	+15.1	*C*; right edge.
3.567	31.7	30.0	+ 1.7	147.0	+18.1	*B*.
4.561	34.2	30.1	+ 4.1	165.4	+37.3	*B*.
5.554	40.2	30.2	+10.0	177.4	+50.9	*C*; right edge.
21.616	31.1	36.6	— 5.5	126.4	+12.2	*B*.
28.508	40.7	42.3	— 1.6	109.9	+ 2.3	*B*.
29.602	40.7	43.5	— 2.8	110.5	+ 4.6	*B*.
January 3.567	37.2	49.2	—12.0	112.0	+15.3	*B*.
5.567	24.2	51.7	—27.5	118.4	+31.8	*B*.
9.548	35.7	57.2	—21.5	108.4	+23.8	*B*.
11.567	38.5	60.2	—21.7	106.8	+23.2	*B*.
12.561	28.1	61.6	—33.5	108.1	+34.9	*B*.
12.561	37.7	61.6	—23.9	105.2	+25.3	*C*; right edge.
21.536	64.2	75.2	—11.0	98.1	+11.0	Axis.
22.543	72.7	76 7	— 4.0	98.0	+ 4.0	*B*.
24.534	62.7	79.7	—17.0	99.1	+16.0	*B*.
24.534	81.2	79.7	+ 1.5	99.1	— 1.4	*B*; right edge.
24.534	63.7	79.7	—16.0	99.1	+15.8	*B*; left edge.
24.534	28.7	79.7	—51.0	99.1	+50.5	*C*; left edge.
24.561	64.7	79.7	—15.0	99.1	+14.8	*B*; axis.
25.538	74.7	81.1	— 6.4	99.6	+ 6.3	*C*; right edge.
25.538	58.2	81.1	—22.9	99.0	+22.6	*B*.
26.551	79.0	82.6	— 3.6	100.3	+ 3.2	*B*.

The earth passed through the plane of the comet's orbit on December 6, so that the sign of $p-p_0$ should change on that date. The angles φ for the first seven dates are quite uncertain, the earth being so near the plane of the comet's orbit that a small error in the observed angle would produce a large error in φ. Excluding these, the differences between the measures made on different nights are still too large to be merely errors of observation. Judging from the several measures made on the nights of January 11 and 12, when the tail was extremely faint in haze and moonlight, the probable error of a single measure can hardly be more than 2° or 3°, while the observed position angles of the brightest portion *B* vary from 2° to 35°. The differences are perhaps due to variations in the

amount of matter passing out into opposite sides of the tail, consequent upon the changes in the direction of the "fan" or emission from the nucleus. Thus on January 5 the fan (F) was turned toward the left, and the axis of B was also to the left of its average position. January 9 F and B were nearly symmetrical, and in the average position angle. January 12 the discharge was most abundant on the left branch of the fan, B was also to the left. January 21 F turned to the right, B followed, and on the next night was still further to the right. January 24 both F and B were near the average angle. January 25 the fan again swung to the right, and B followed on the 26th.

The Tail.

From the sketches and notes made with the naked eye and opera-glass, we derive that the visible tail of comet Pons-Brooks was long, narrow and slightly curved, with the concave side toward the apparent right or north. It became visible to the eye about the last of December. Its length increased rapidly, reaching 18° on January 21. In the sketches the stars plotted within or very near the limits of the tail have been identified as follows:

		Star	α 1884.0	δ 1884.0	Position on the tail.
December	29	π Pegasi	331° 12′	+32° 37′	1° 30′ east of axis.
		31 Pegasi	326 10	+29 38	30′ south of axis.
		μ Cygni	324 44	+28 13	30′ south of axis.
January	3	o Pegasi	339 05	+28 42	Axis.
		75 Pegasi	335 42	+24 13	Axis ½ (75+77).
		77 Pegasi	335 57	+26 11	
	9	σ Pegasi	341 38	+ 9 13	Right edge.
	13	ι Piscium	353 30	+ 5 00	1° east of axis.
	17	18 Ceti	5 10	— 0 42	Axis.
		4 Ceti	0 30	— 3 31	Left edge.
		32 Piscium	358 11	— 4 12	Left edge.
		35 Piscium	358 58	— 3 40	Left edge.
		28 Piscium	356 44	— 3 48	Right edge.
	21	44 Ceti	14 18	— 5 27	Axis.
	24	35 Ceti	10 54	—14 11	Axis.
	25	57 Ceti	18 40	—11 50	Axis.
		O. Arg. S. 343—4	8 40	—17 09	Axis.
		O. Arg. S. 397—8	9 58	—17 04	Left edge.
	26	61 Ceti	19 59	—15 12	Axis.
		33 Ceti	10 29	—18 42	Axis.
		β Ceti	9 26	—18 37	Right edge.

For the investigation of the form of the tail I have used these star positions, corrected in accordance with the last column of the above table. The positions of the nucleus for the several times of observation were computed from the following elements published by Messrs. Schulhof and Bossert (*Astronomische Nachrichten* 2569):

$T = 1884$ January 25.754599.
$\omega = 199^\circ\ 11'\ 33''.21$
$\Omega = 254\ 05\ 42.29$ } Mean Equinox 1880.0.
$i = 74\ 02\ 35.72$
$e = 0.9549960.$
$\log q = 9.8897099.$

The places of the sun for the same times were taken from the *American Ephemeris*. Designating the coördinates of the nucleus by α and δ, those of the observed points in the tail by α' and δ', and those of the sun by α and d, and computing the position angle (p_0) of the radius vector and the position angle and distance (p and s) of the observed points from the nucleus, we have:

Greenwich M. T.	α	δ	a	d	p_0
December 29.609	321° 26′.2	+26° 38′.5	278° 49′.3	−23° 12′.3	+43° 3
January 3.484	330 12.5	+19 04.2	284 12.3	−22 47.5	+49 0
9.536	340 34.5	+ 8 06.1	290 49.8	−22 04.2	+57 1
13.491	346 47.0	+ 0 36.0	295 06.9	−21 26.7	+63 0
17.567	352 35.8	− 6 52.4	299 29.2	−20 41.2	+69 1
21.526	357 36.8	−13 32.8	303 41.2	−19 50.9	+75 1
24.508	0 59.8	−18 05.3	306 49.2	−19 09.0	+79 3
25.519	2 04.0	−19 31.8	307 52.5	−18 54.2	+81 0
26.526	3 06.0	−20 55.0	308 55.4	−18 39.0	+82 3

and for the same moments:

	α'	δ'	p	s	$p-p_0$
December 29	329° 42′	+32° 37′	+42° 36′	9° 14′	− 0° 57′
29	326 10	+30 08	+37 35	5 14	− 5 5
29	324 44	+28 43	+38 12	3 18	− 5 2
January 3	339 05	+28 42	+38 24	12 40	−10 4
3	335 50	+25 12	+39 24	7 57	− 9 4
9	341 38	+ 9 13	+44 11	1 08	−12 5
13	352 30	+ 5 00	+52 13	7 55	−10 4
17	5 10	− 0 42	+64 20	13 48	− 4 5
17	0 30	− 3 31	+67 20	8 31	− 1 5
17	358 11	− 4 12	+64 36	6 10	− 4 3
17	358 58	− 3 40	+64 46	7 02	− 4 2
17	356 44	− 3 48	+53 30	5 09	−15 4
21	14 18	− 5 27	+65 23	18 20	− 9 5
24	10 54	−14 11	+69 09	10 17	−10 2
25	18 40	−11 50	+66 46	17 44	−14 1
25	8 40	−17 09	+70 15	6 40	−10 5
25	9 58	−17 04	+73 04	7 58	− 8 0
26	19 59	−15 12	+73 11	17 01	− 9 2
26	10 29	−18 42	+73 32	7 18	− 9 0
26	9 26	−18 37	+70 04	6 24	−12 2

For the reduction to the plane of the orbit, we compute the coördinates of north pole of the comet's orbit for 1884.0:

$$A = 171^\circ\ 54'.5$$
$$D = +20\ 53.9$$

the following quantities:

		P	P'	S	v	log r	log ρ
cember	29	325° 10'.6	146° 54'.3	56° 00'.2	−48° 19'.4	9.96734	9.83657
uary	3	330 54.5	150 31.8	45 15.9	−41 04.8	9.94537	9.81326
	9	339 09.5	157 51.0	31 03.9	−31 04.3	9.92128	9.80287
	13	347 10.2	166 15.0	22 04.5	−23 57.6	9.90839	9.80905
	17	2 39.1	182 49.1	14 02.4	−16 13.5	9.89825	9.82501
	21	35 44.9	217 26.5	9 08.8	− 8 25.6	9.89201	9.84780
	24	70 22.6	253 22.6	9 01.0	− 2 26.2	9.88990	9.86797
	25	79 59.9	263 36.6	9 38.0	− 0 23.5	9.88971	9.87514
	26	88 05.4	272 06.3	10 27.2	+ 1 37.9	9.88979	9.88240

With the aid of these quantities we compute the coördinates T, φ and Δ of e observed points in the tail. The angles φ are reduced to the epoch of perihelion by applying the correction $d\varphi$, for which $(1-\mu)$ is assumed 12.0.

		T	φ	$d\varphi$	φ'	Δ	
ecember	29	107° 54'	+ 2° 54'	+1° 28'	+ 4° 22'	0.1236	*A*
	29	114 06	+10 42	+1 04	+11 46	0.0718	*A*
	29	113 22	+ 9 47	+0 51	+10 38	0.0445	*A*
anuary	3	111 07	+13 53	+1 11	+15 04	0.1716	*A*
	3	110 18	+12 39	+1 06	+13 45	0.1021	*A*
	9	103 51	+14 37	+0 11	+14 48	0.0130	*R*
	13	99 42	+11 28	+0 19	+11 47	0.0936	*A*
	17	96 46	+ 5 00	+0 12	+ 5 12	0.1703	*A*
	17	96 06	+ 1 57	+0 10	+ 2 07	0.1023	*L*
	17	96 42	+ 4 42	+0 08	+ 4 50	0.0736	*L*
	17	96 40	+ 4 34	+0 09	+ 4 43	0.0843	*L*
	17	98 58	+15 58	+0 07	+16 05	0.0621	*R*
	21	97 58	+ 9 51	+0 04	+ 9 55	0.2470	*A*
	24	99 01	+10 21	0 00	+10 21	0.1381	*A*
	25	99.23	+14 07	0 00	+14 07	0.2567	*A*
	25	99 30	+10 42	0 00	+10 42	0.0907	*A*
	25	99 34	+ 7 54	0 00	+ 7 54	0.1090	*L*
	26	100 06	+ 9 12	0 00	+ 9 12	0.2508	*A*
	26	100 07	+ 8 51	0 00	+ 8 51	0.1016	*A*
	26	99 57	+12 16	0 00	+12 16	0.0886	*R*

The letters in the last column signify the part of the tail observed: *A* the axis, *R* the right edge, and *L* the left edge. The points corresponding to the coördinates φ' and Δ are represented on Plate *XII* by small circles. Considering

the faintness of this comet, the observations agree moderately well, and may be fairly represented by the dotted outline given on the same plate.

Comparison with Theory.

Assuming first $1-\mu = 1.0$, we compute the coördinates of the six points which correspond to the positions of particles emitted from the nucleus in the true anomalies $-60°$, $-50°$, $-40°$, $-30°$, $-20°$ and $-10°$. The formulæ of Bredichin, which were employed in the study of the comets of 1881 and 1882 (*Publication No.* 7), are adapted to a parabolic orbit of the nucleus. In the present case the orbit is an ellipse, and it is therefore necessary to change the formulæ so as to adapt them to an ellipse. This may be done by substituting the following

$$H^2 = \frac{2}{r_1} - \frac{1}{a}, \qquad s^2 = \frac{2\tau^2}{r_1} - \frac{2\tau^2}{2a},$$

$$\left\{\begin{matrix} \beta = 90° - \tfrac{1}{2}(v_1 - v_c) \\ \sin(v_1 - v_c) = \dfrac{2ae\sin v_1}{2a - r_1} \end{matrix}\right\} \text{ or } \left\{\begin{matrix} \beta = 180° - (v_1 + \alpha) \\ \operatorname{tg}\alpha = -(1-e^2)\dfrac{ae + r_1\cos v_1}{r_1 \sin v_1} \end{matrix}\right\}$$

in place of the corresponding formulæ found on pages xi and xii of the introduction to *Publication No.* 7. Of the new quantities introduced, a is the semimajor axis, e the eccentricity of the orbit of the nucleus, α the angle which the tangent makes with the semimajor axis, and v_c the true anomaly of the nucleus reckoned from the focus opposite the sun.

With these changed formulæ we obtain

	M = January 25.7546		$v = 0°$	$1-\mu = 1.0$	
v_1	M_1	φ	Δ	η	ξ
$-60°$	December 20.513	$+41° 03'$	0.2319	0.1534	0.1749
-50	28.442	$+35\ 25$	0.1627	0.0943	0.1326
-40	January 4.264	$+27\ 45$	0.0995	0.0463	0.0880
-30	10.185	$+20\ 04$	0.0552	0.0190	0.0519
-20	15.630	$+12\ 50$	0.0243	0.0054	0.0237
-10	20.773	$+\ 7\ 35$	0.0055	0.0007	0.0054

These points are represented on Plate *XII* by crosses on the line marked $1-\mu = 1.0$. This line deviates very widely from the observed points. It is evident that much larger values must be assigned to the repulsive force. Taking, therefore, $1-\mu = 2.5$ and 12.0, we obtain the points represented on the respective curves on Plate *XII*. Even the value 12.0, which was assigned by Bredichin to his Type *I* of comets' tails, seems to be too small. A further computation with the values 16.0 and 20.0 shows that the observations seem to be best satisfied by a value of $1-\mu$ somewhere near 16.

The principal quantities in the computation are as follows:

$1-\mu$	v_1	M_1	log E	V_1	P
2.5	—30°	January 10.1850	0.35040	—8° 09′	0.00474
2.5	—20	15.6300	0.35706	—5 30	0.00481
2.5	—10	20.7725	0.36103	—2 45	0.00467
12.0	—25	12.9596	0.06825	—1 50	9.13957
12.0	—20	15.6300	0.06925	—1 27	9.13937
12.0	—15	18.2343	0.07003	—0 57	9.13948
12.0	—10	20.7725	0.07059	—0 46	9.13925
16.0	—20	15.6300	0.05182	—1 10	9.00468
16.0	—10	20.7725	0.05286	—0 32	9.00487
20.0	—15	18.2343	0.04189	—0 40	8.90227

$1-\mu$	F	V	φ	Δ	η	ξ
2.5	30° 02′.4	18° 51′	21° 49′	0.1266	0.0470	0.1175
2.5	21 34.0	13 33	13 34	0.0586	0.0137	0.0569
2.5	11 20.2	7 07	7 01	0.0145	0.0017	0.0144
12.0	56 18.1	17 03	18 05	0.3984	0.1237	0.3787
12.0	49 56.2	14 58	14 25	0.2599	0.0647	0.2517
12.0	41 32.6	12 17	10 29	0.1579	0.0287	0.1552
12.0	29 50.3	8 41	6 43	0.0693	0.0081	0.0688
16.0	54 56.6	14 28	14 18	0.3427	0.0846	0.3320
16.0	34 25.6	8 44	6 47	0.0941	0.0111	0.0934
20.0	50 16.0	11 46	10 19	0.2513	0.0457	0.2472

As the comet, as seen with the opera-glass, was extremely faint, I have not thought it worth while to compute the curves for the edges of the tail.

The observed points for the extremity of the tail on January 24, 25 and 26 correspond closely to the theoretical position of particles emitted from the nucleus by the extraordinary discharge of January 12.

Observations with the Finder.

In the sketches made with the finder, the stars situated near the axis or edges of the tail have been identified as follows:

	Star.	α 1884.0	δ 1884.0	
Nov. 26	*DM* 48° 2681	274° 10′.9	+48° 02′.9	Right edge.
Dec. 28	*DM* 28° 4072	319 30.5	+28 26.9	Left edge.
	DM 28° 4085	320 04.4	+28 56.5	Left edge.
	DM 29° 4419	320 52.0	+29 42.5	Left edge.
	DM 29° 4426	321 22.1	+29 22.1	Right edge = ¼ (4419 to 4426).
29	*DM* 27° 4111	322 40.0	+27 52.4	Right edge.
	DM 28° 4145	323 15.7	+28 25.8	Right edge.
	DM 26° 4188	321 39.9	+27 01.0	Axis.
	DM 27° 4104	322 25.2	+27 46.0	Axis.

		Star.		α 1884.0	δ 1884.0	
Dec.	29,	*DM* 28°	4140	323 00.0	+28 19.6	Axis.
		DM 28°	4147	323 04.5	+28 43.8	Axis.
		DM 27°	4106	322 28.8	+27 56.3	Left edge.
Jan.	3	*DM* 20°	5103	332 00.1	+20 30.0	Right edge.
		DM 20°	5093	331 15.6	+20 24.5	Left edge = ½ (5103 to 5093).
	5	*DM* 15°	4636	334 32.6	+16 02.1	Right edge.
		DM 16°	4728	334 43.8	+16 18.1	Axis.
		DM 16°	4727	334 37.8	+16 25.4	Left edge.
	21	Weisse 23^h	1193	359 52.8	−12 29.2	Axis.
		Weisse 23^h	1228	0 21.9	−12 15.5	Axis.
		Weisse 23^h	1210	0 05.8	−12 39.8	Right edge = ½ (1210 to 1193).
		Weisse 23^h	1153	359 21.0	−12 35.3	Left edge.
	22	Weisse 0^h	46	1 11.5	−13 13.4	Axis = ¼ (72 to 46).
		Weisse 0^h	72	1 32.2	−14 27.5	
	24	O.Arg.S.	76	2 13.5	−17 47.9	Right edge.
		O.Arg.S.	171	4 45.4	−16 40.3	Right edge.
		O.Arg.S.	133	3 55.8	−16 51.1	Axis.
		O.Arg.S.	148	4 17.8	−16 35.3	Axis.
	25	O.Arg.S.	168	4 44.6	−19 06.7	Right edge = ⅔ (168 to 10).
		W.T.Z. (209)	10	4 31.8	−18 27.4	Axis = ⅙ (10 to 168).
		W.M.C.Z. (206)	47	4 52.8	−18 04.1	Left edge = ½ (10 to 47).
	26	O.Arg.S.	136	3 58.4	−20 42.1	Right edge.
		O.Arg.S.	179	4 56.5	−20 34.5	Right edge.
		O.Arg.S.	127	3 45.0	−20 34.3	Axis.

Reducing these in the same manner as the preceding observations, we obtain the following results:

Greenwich M. T.		p	s	T	φ	$d\varphi$	φ'	Δ
Nov.	26.540	31°40′	0°23′	139°05′	+ 4°48′	+2°31′	+ 7°19′	0.0123
Dec.	28.505	10 20	0 17	138 02	+39 54	+0 22	+40 16	0.0052
		35 08	0 57	136 51	+11 41	+1 13	+12 54	0.0182
		38 31	1 58	113 09	+ 6 26	+1 34	+ 8 00	0.0266
		42 26	1 59	107 45	− 0 05	+1 34	+ 1 29	0.0256
	29.567	44 22	1 39	105 40	− 1 09	+1 20	+ 0 11	0.0207
		43 53	2 25	106 05	− 0 38	+1 37	+ 0 59	0.0305
		40 28	0 25	110 58	+ 4 53	+0 40	+ 5 33	0.0053
		41 12	1 25	111 02	+ 3 43	+1 14	+ 4 57	0.0183
		41 24	2 16	109 21	+ 3 24	+1 15	+ 4 39	0.0292
		36 23	2 32	115 28	+11 04	+1 38	+12 42	0.0336
Jan.	3.554	37 30	1 32	114 10	+ 9 25	+1 16	+10 41	0.0204
		45 09	1 50	105 18	+ 6 16	+0 52	+ 7 08	0.0218
		38 57	1 45	110 38	+14 13	+0 55	+15 08	0.0215
	5.574	46 14	0 57	104 13	+ 7 43	+0 35	+ 8 18	0.0110

Greenwich M. T.	p	s	T	φ	$d\varphi$	φ'	Δ
Jan. 5.574	42 52	1 14	106 44	+11 49	+0 39	+12 28	0.0145
	35 01	1 14	112 07	+20 59	+0 36	+21 35	0.0150
21.573	62 33	2 22	98 11	+12 41	+0 03	+12 44	0.0296
	62 58	2 58	98 09	+12 16	+0 03	+12 19	0.0372
	65 30	2 32	97 58	+ 9 46	+0 03	+ 9 49	0.0317
	58 02	1 55	98 29	+17 10	+0 02	+17 12	0.0240
22.523	70 19	2 46	98 03	+ 6 20	+0 02	+ 6 22	0.0351
24.517	75 10	1 10	98 59	+ 4 24	0 00	+ 4 24	0.0153
	68 46	3 51	99 01	+10 45	0 00	+10 45	0.0508
	66 16	3 00	99 00	+13 13	0 00	+13 13	0.0395
	64 45	3 28	98 58	+14 43	0 00	+14 43	0.0457
25.534	74 21	2 28	99 36	+ 6 40	0 00	+ 6 40	0.0330
	67 38	2 35	99 25	+13 18	0 00	+13 18	0.0346
	62 59	2 52	99 14	+17 53	0 00	+17 53	0.0384
26.526	75 22	0 52	100 12	+ 7 02	0 00	+ 7 02	0.0118
	79 07	1 17	100 20	+ 3 30	0 00	+ 3 20	0.0175
	60 34	0 47	99 17	+21 39	0 00	+21 39	0.0106

The points corresponding to φ' and Δ are represented on Plate *XIII* by the small circles. The scale of this plate is exactly ten times that of Plate *XII*.

An inspection of the plate shows that a much smaller value of the repulsive force is indicated by these observations than by those made with the opera-glass. The observations seem to be best satisfied by a value of $1-\mu$ a little less than 2.5,* corresponding to Bredichin's Type *II*.

The explanation of the different results obtained with the two instruments is, probably, that there were two branches of the tail. The long, narrow one (Type *I*), seen with the opera-glass, was so faint as to be invisible under the magnifying power of the telescope; while the shorter one (Type *II*), although much brighter, deviated so little that the two could not be separated with the opera-glass.

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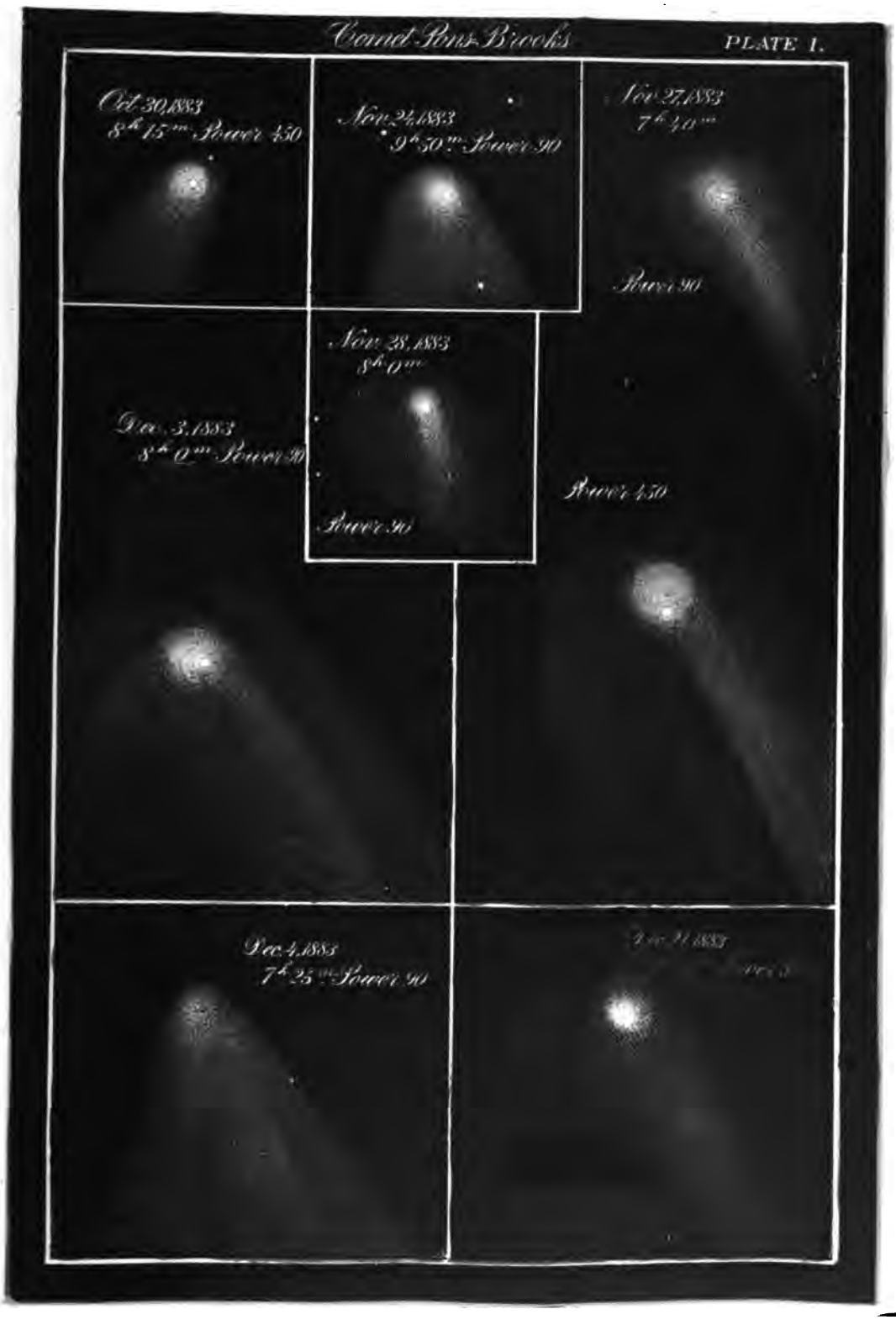
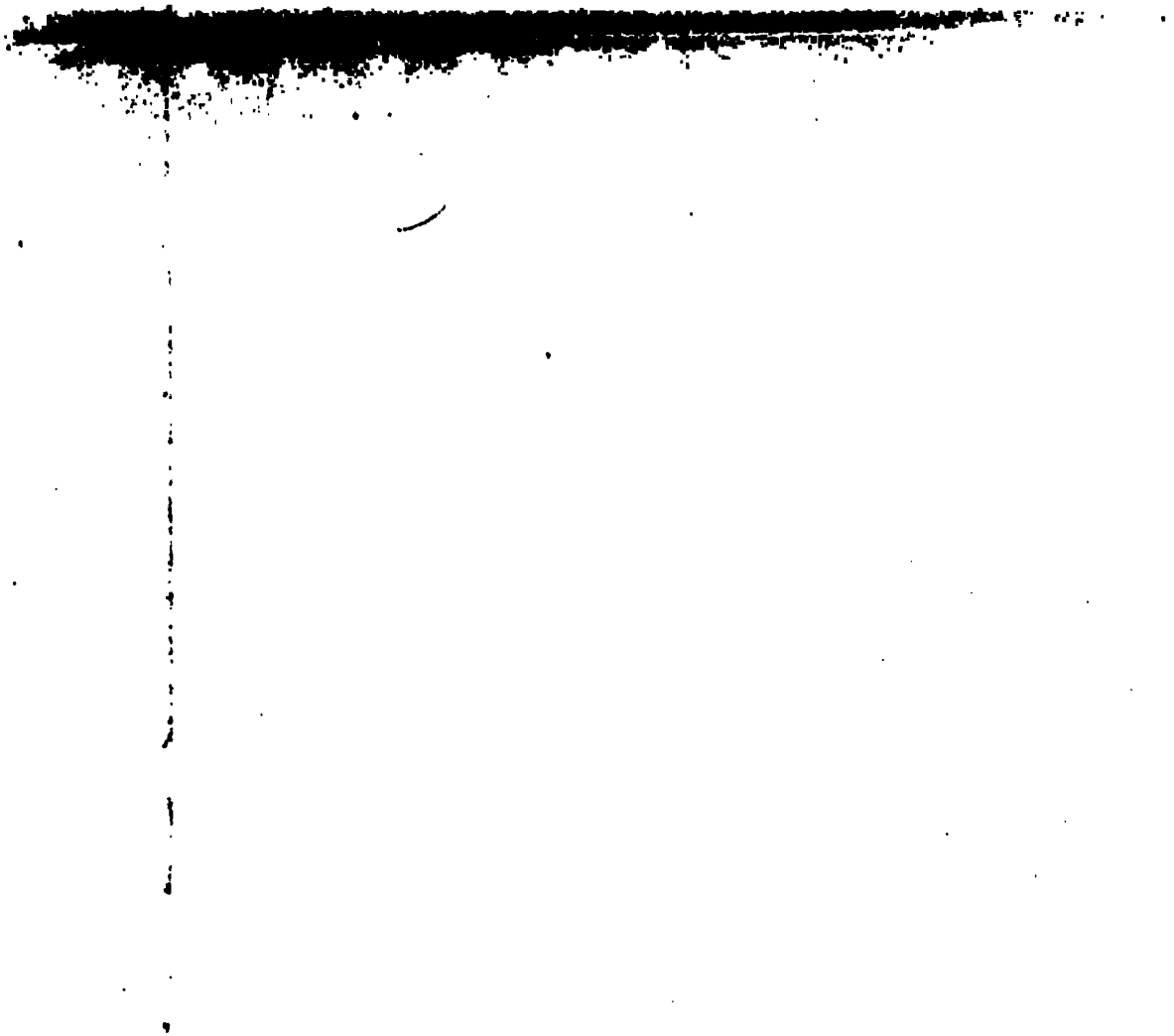
* This value agrees with that obtained by Professor Bredichin from a large number of observations by different observers. His memoir, "Les syndynames et les synchrones de la comete Pons-Brooks (1883-1884)", was received after the present investigation was finished. He also finds that some of the observations indicate a large value of $1-\mu$, corresponding to Type *I*, but seems to have obtained no observations which give that branch so great a length as that shown by my sketches with the opera-glass. W.


Comet Pons-Brooks
PLATE I.
Oct 30, 1883
8h 15m Power 450
Nov 24, 1883
9h 30m Power 90
Nov 27, 1883
7h 40m
Power 90
Nov 28, 1883
8h 0m
Power 90
Dec 3, 1883
8h 0m Power 90
Power 450
Dec 4, 1883
7h 25m Power 90



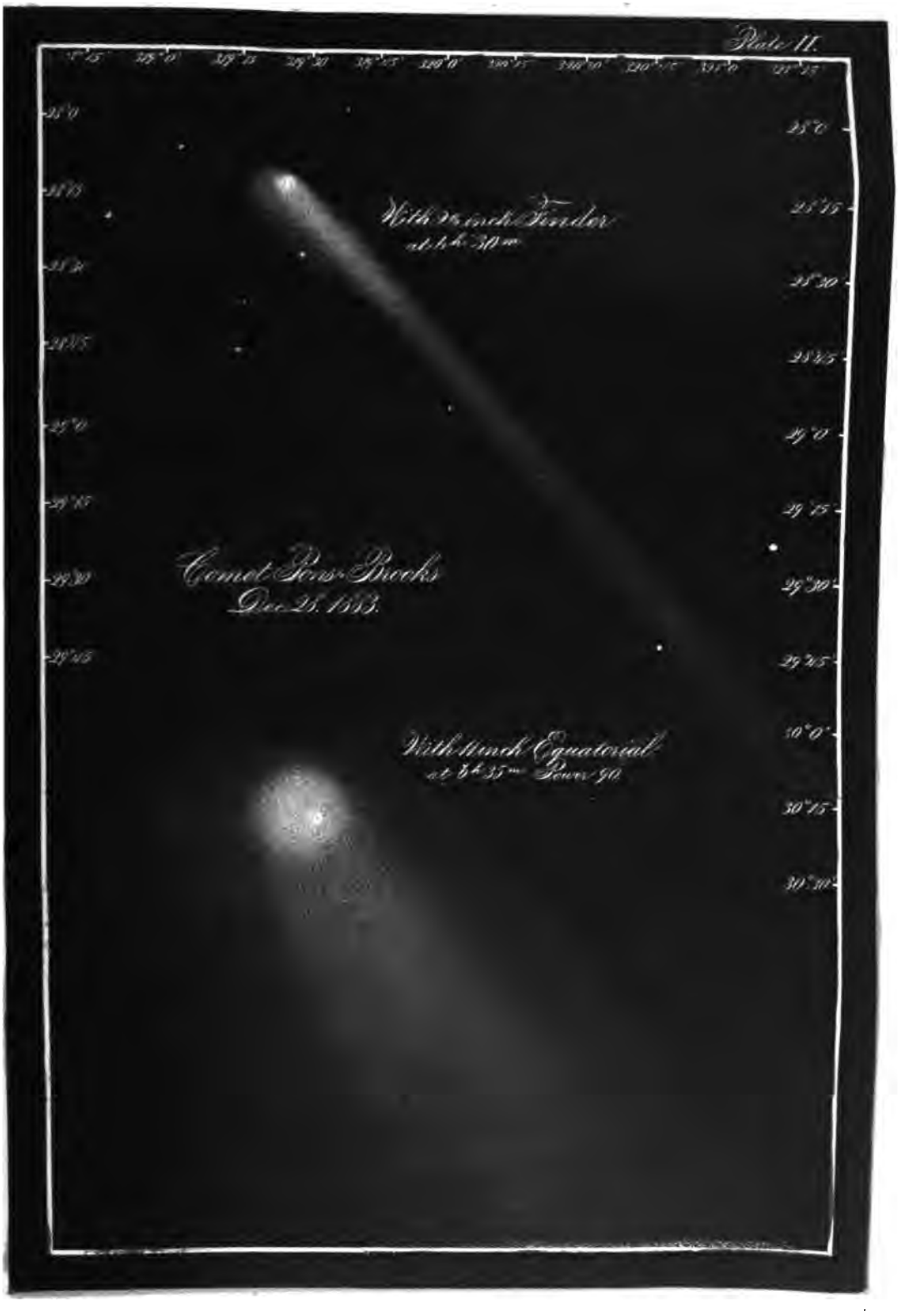
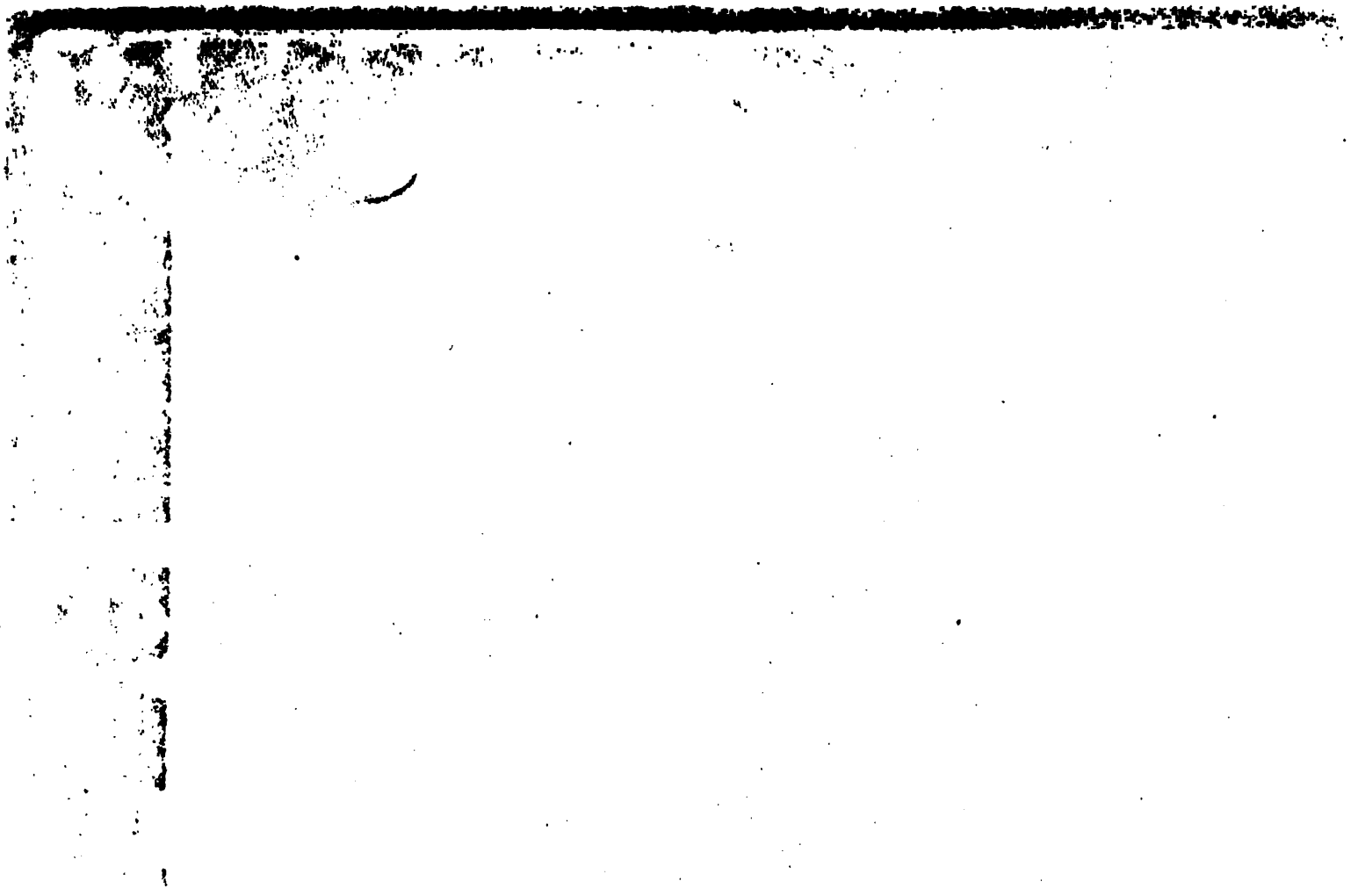


Plate II.
With 9 inch Finder
at 1h 30m
Comet Pons-Brooks
Dec 25. 1883.
With 4 inch Equatorial
at 7h 35m Power 90



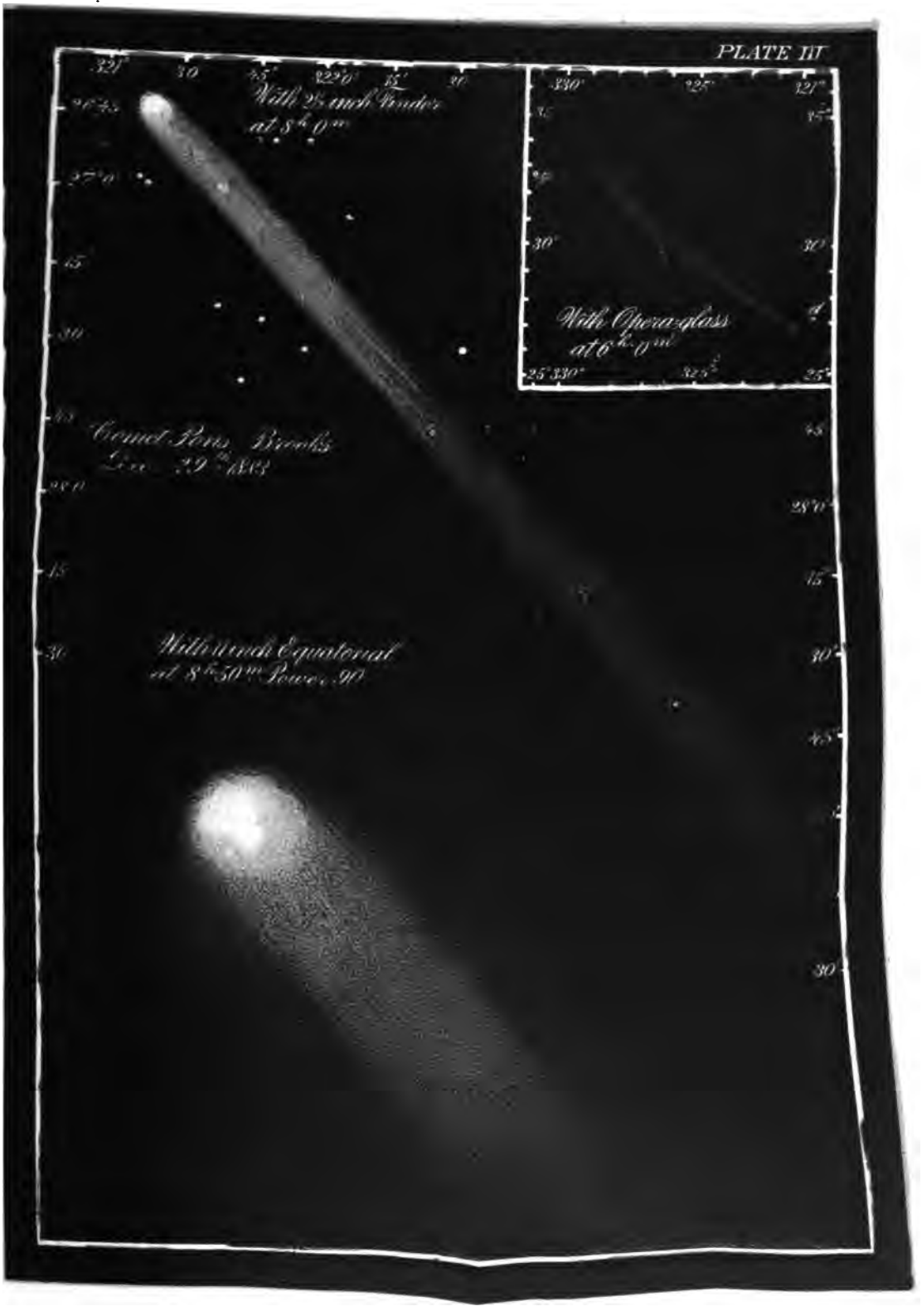


PLATE III
With 2½ inch Finder
at 8h 0m
With Opera-glass
at 6h 0m
Comet Pons Brooks
With 6 inch Equatorial
at 8h 50m Power 90

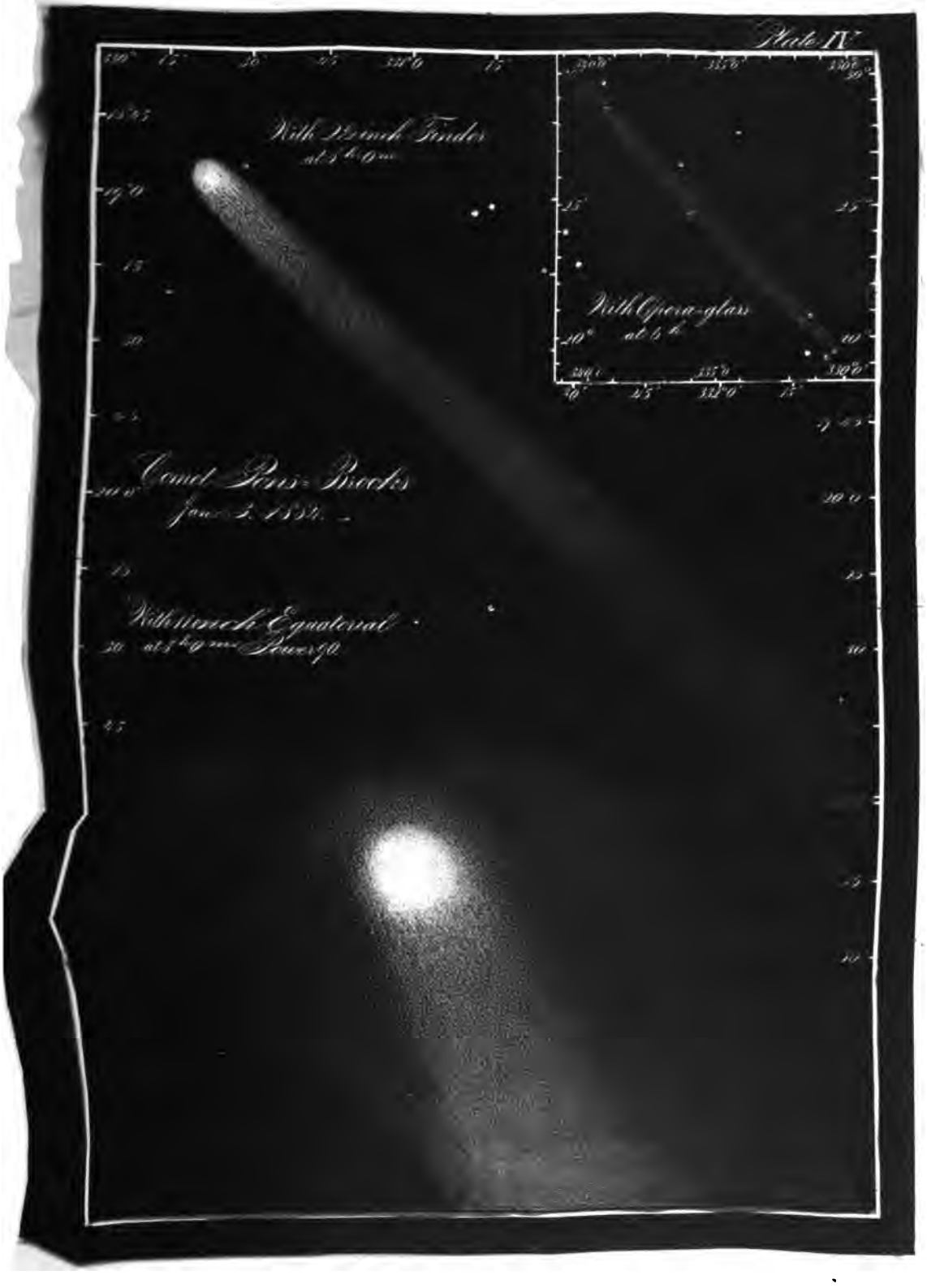
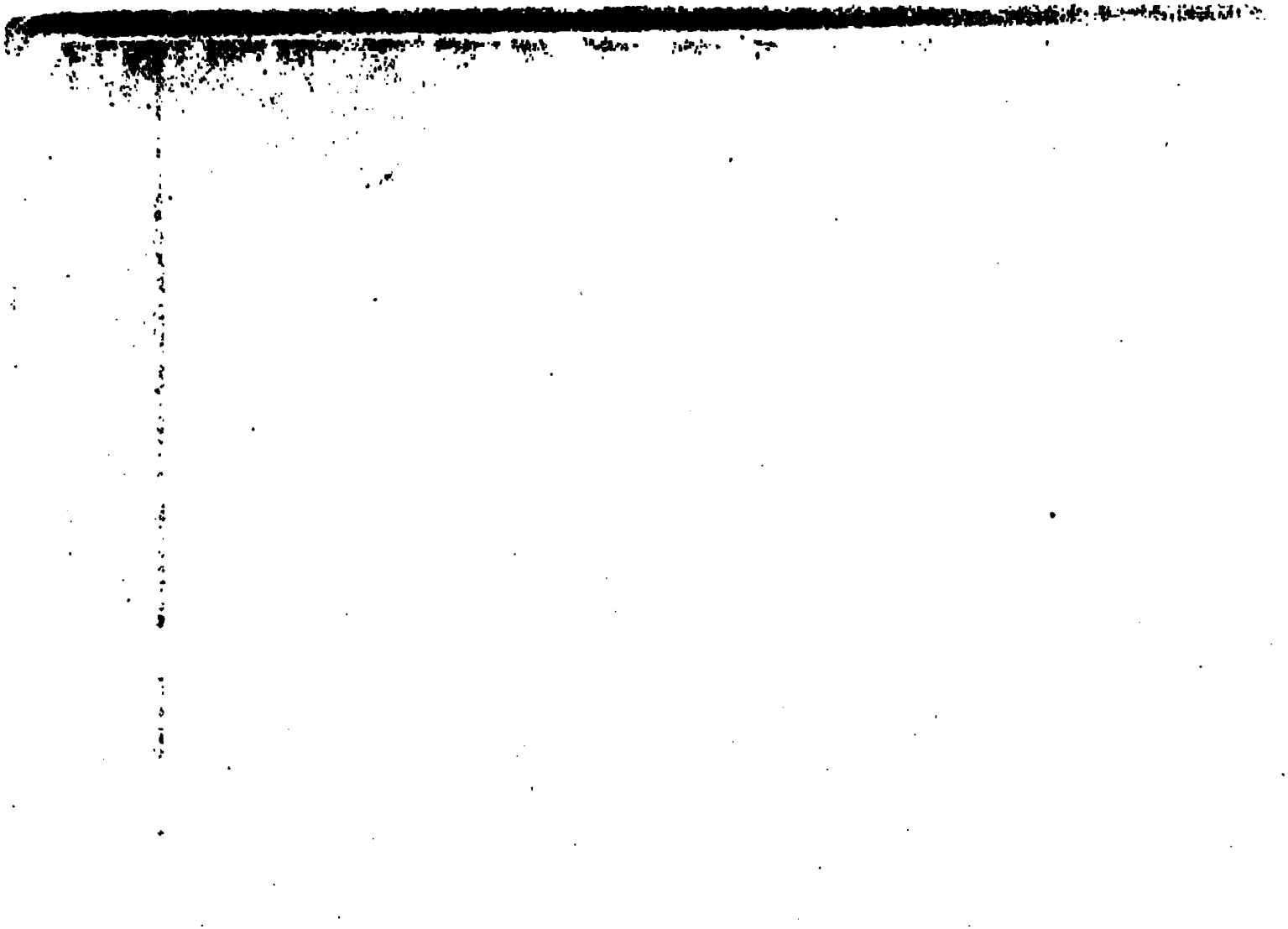


Plate IV
With 2½ inch Finder
Comet Pons-Brooks
With Opera-glass
With Merz's Equatoreal



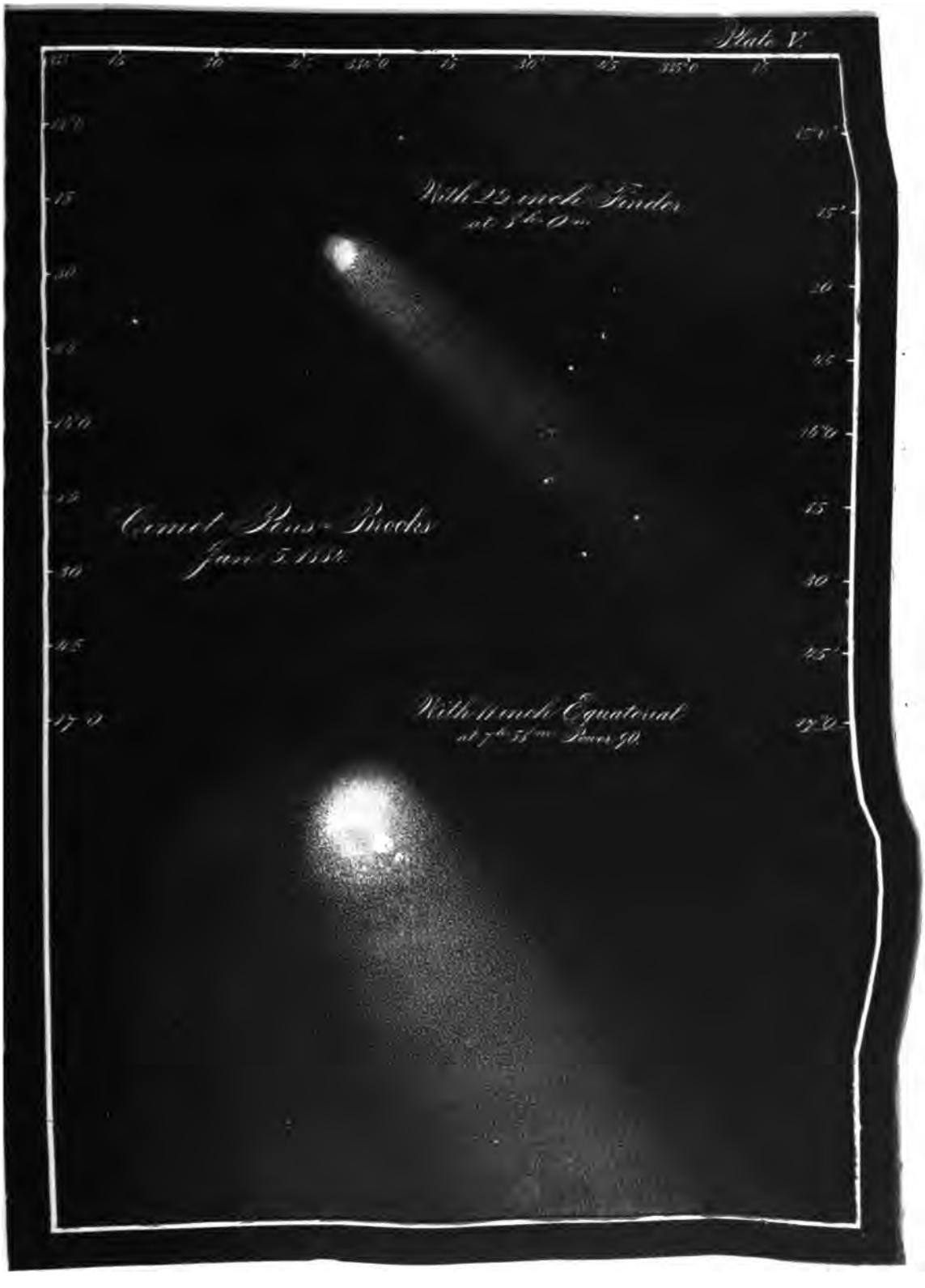


Plate V.
With 2 inch Finder
at 5h 0m
Comet Rons-Brooks
Jan 5 1858
With 11 inch Equatorial
at 7h 58m Power 50

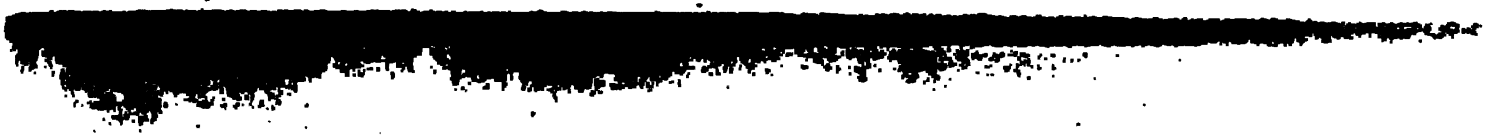
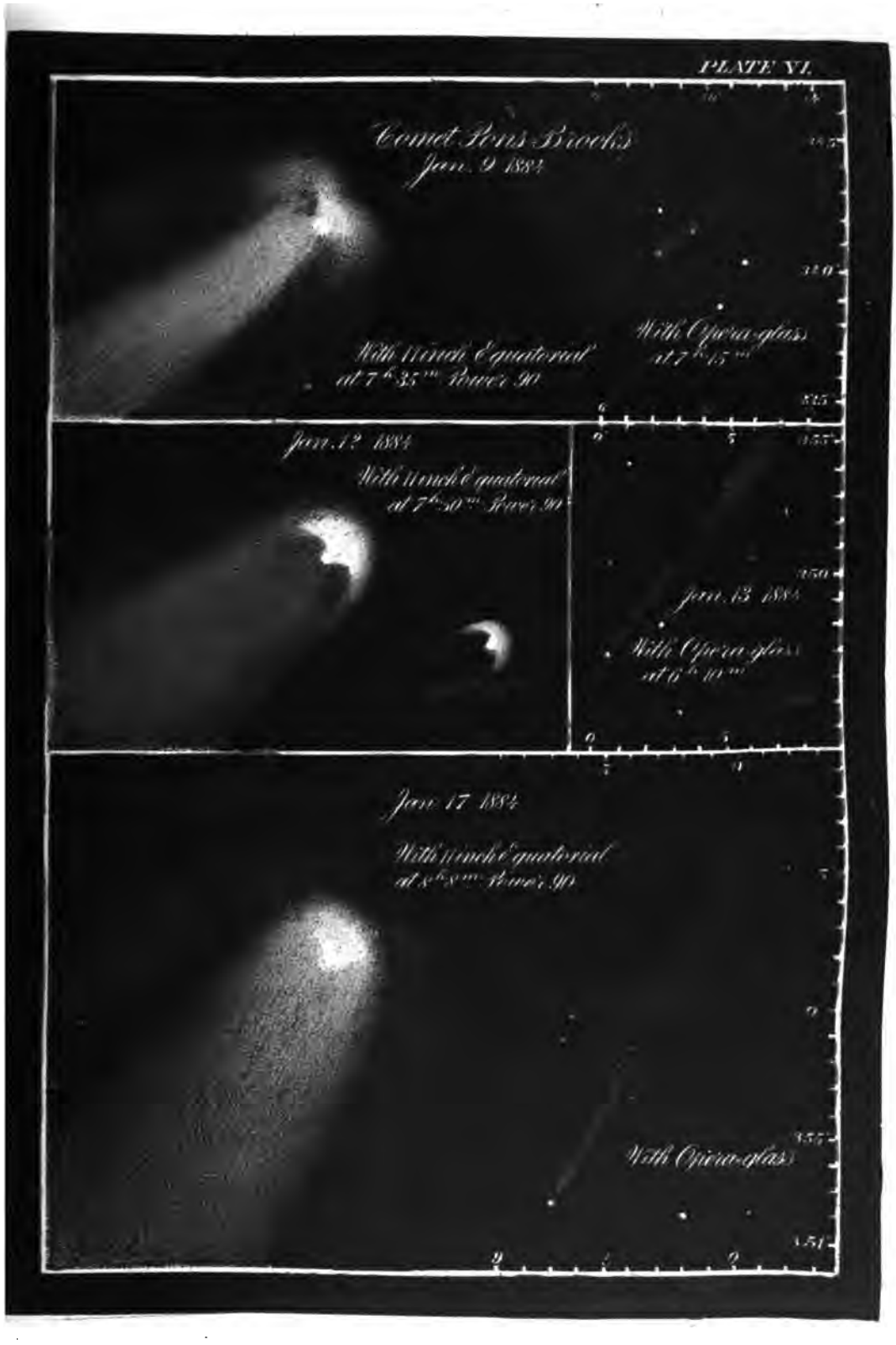
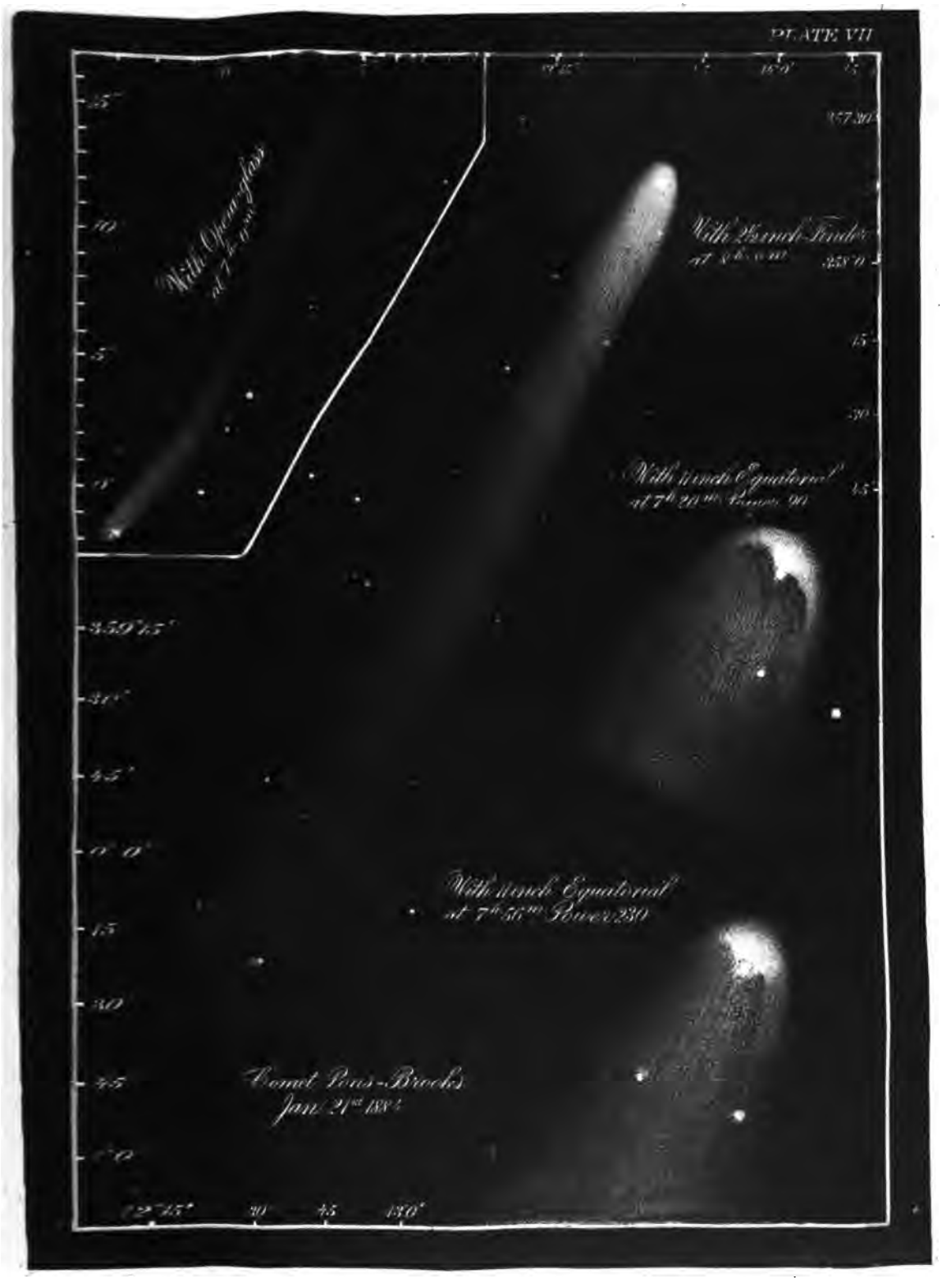
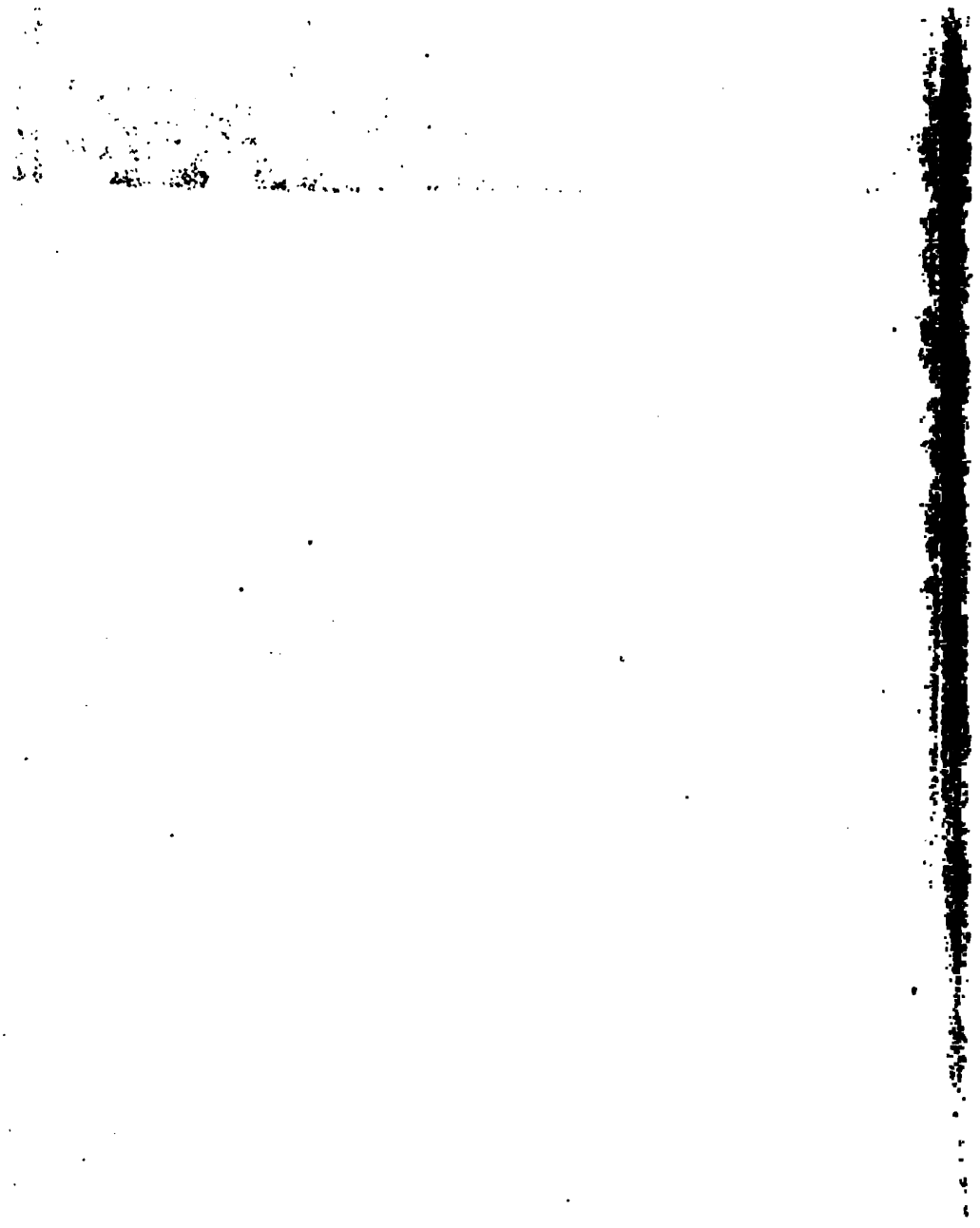


PLATE VI.


Comet Pons Brooks
Jan. 9 1884
With 11 inch Equatoreal
at 7h 35m Power 90
With Opera-glass
at 7h 15m
Jan. 12 1884
With 11 inch Equatoreal
at 7h 50m Power 90
Jan. 13 1884
With Opera-glass
at 6h 10m
Jan. 17 1884
With 11 inch Equatoreal
at 8h 8m Power 90
With Opera-glass


With Opera-glass
With 2½ inch Finder
With 4 inch Equatorial
With 4 inch Equatorial
Comet Pons-Brooks
Jan. 21st 1884



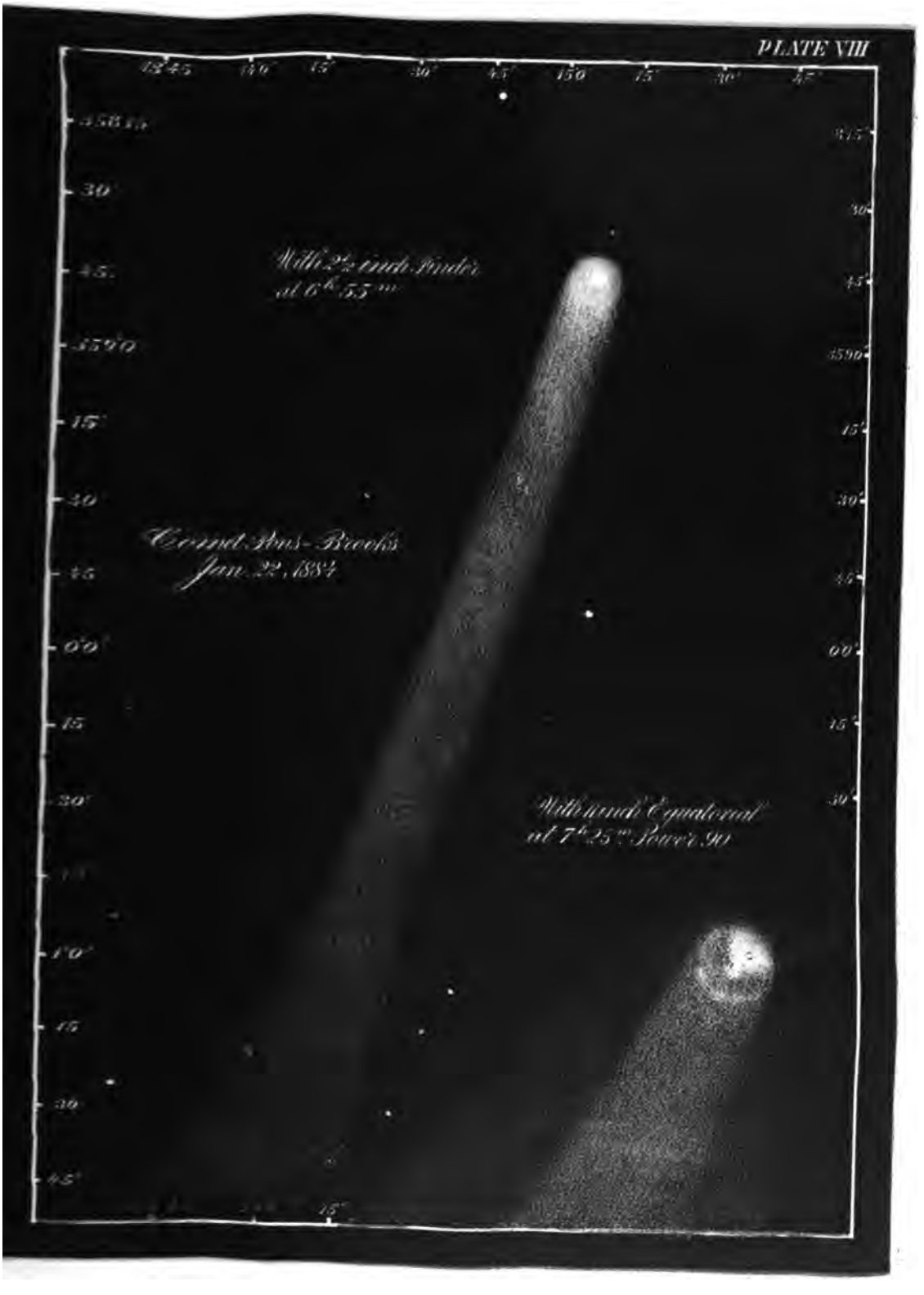
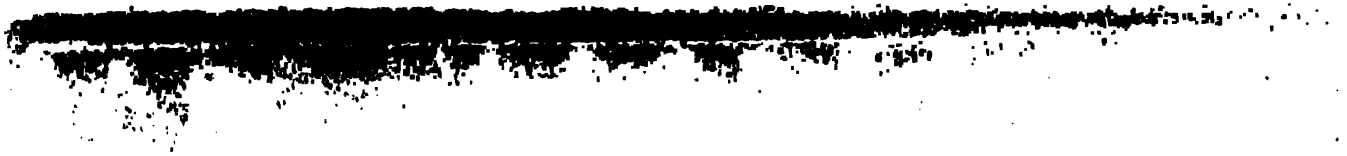


PLATE VIII
With 2½ inch Finder
at 6h 55m
Comet Brus-Brooks
Jan. 22, 1884
With 6 inch Equatorial
at 7h 25m Power 90



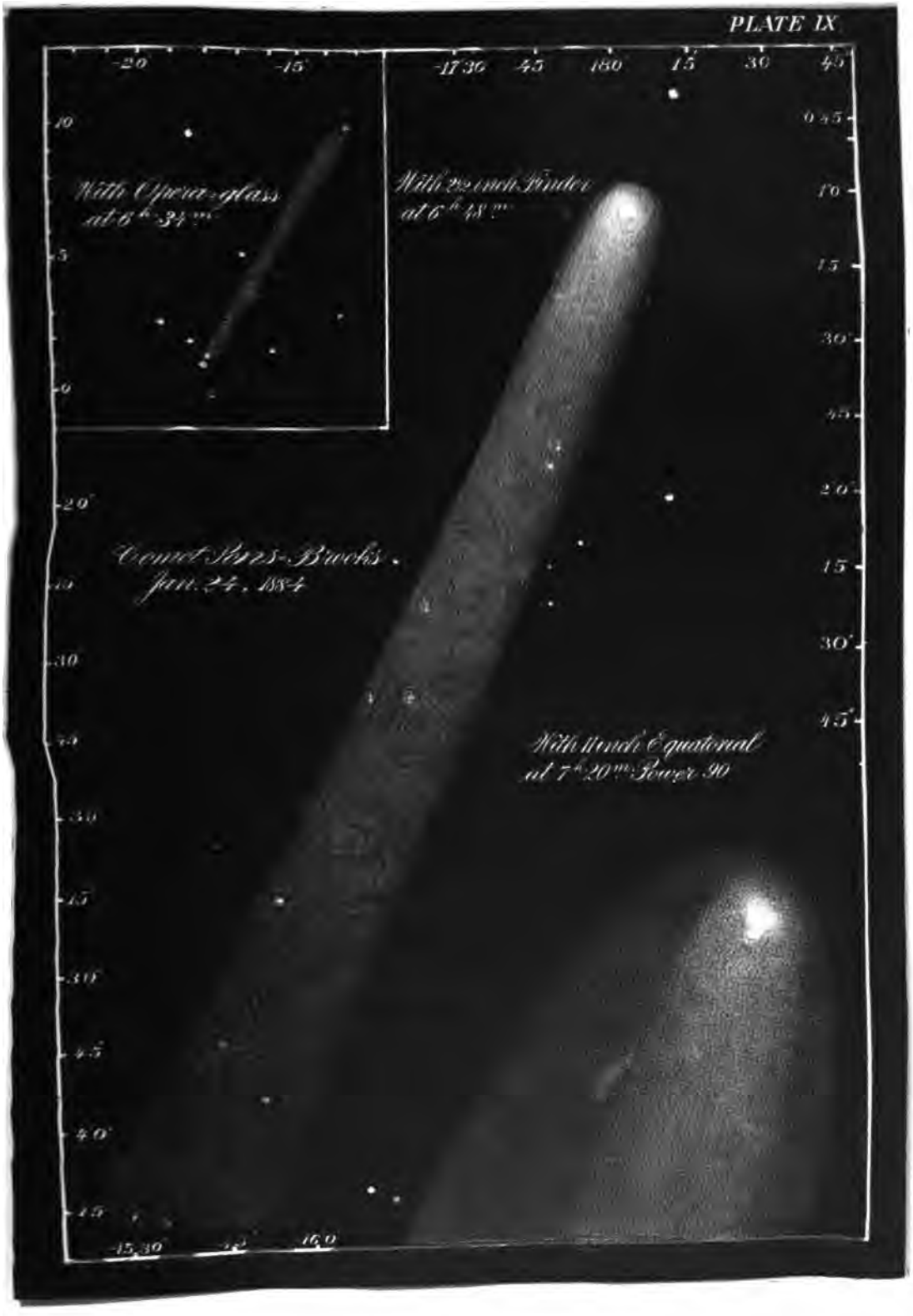
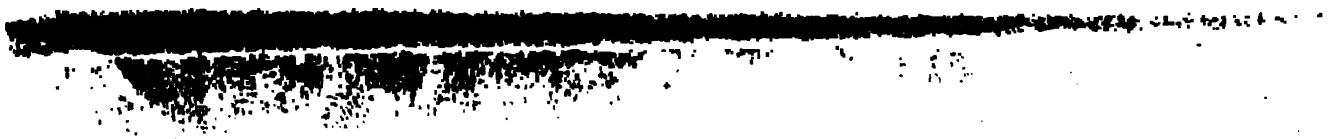


PLATE IX
With Opera-glass
at 6h 34m
With 2½ inch Finder
at 6h 48m
Comet Barnard-Brooks
Jan. 24, 1884
With 11 inch Equatorial
at 7h 20m Power 90

Plate X
With 15 inch Reader
at 7h 12m
With Green-glass
at 6h 50m
Comet Pons-Brooks
Jan. 25. 1884.
With 9 inch Equatorial
at 7h 47m



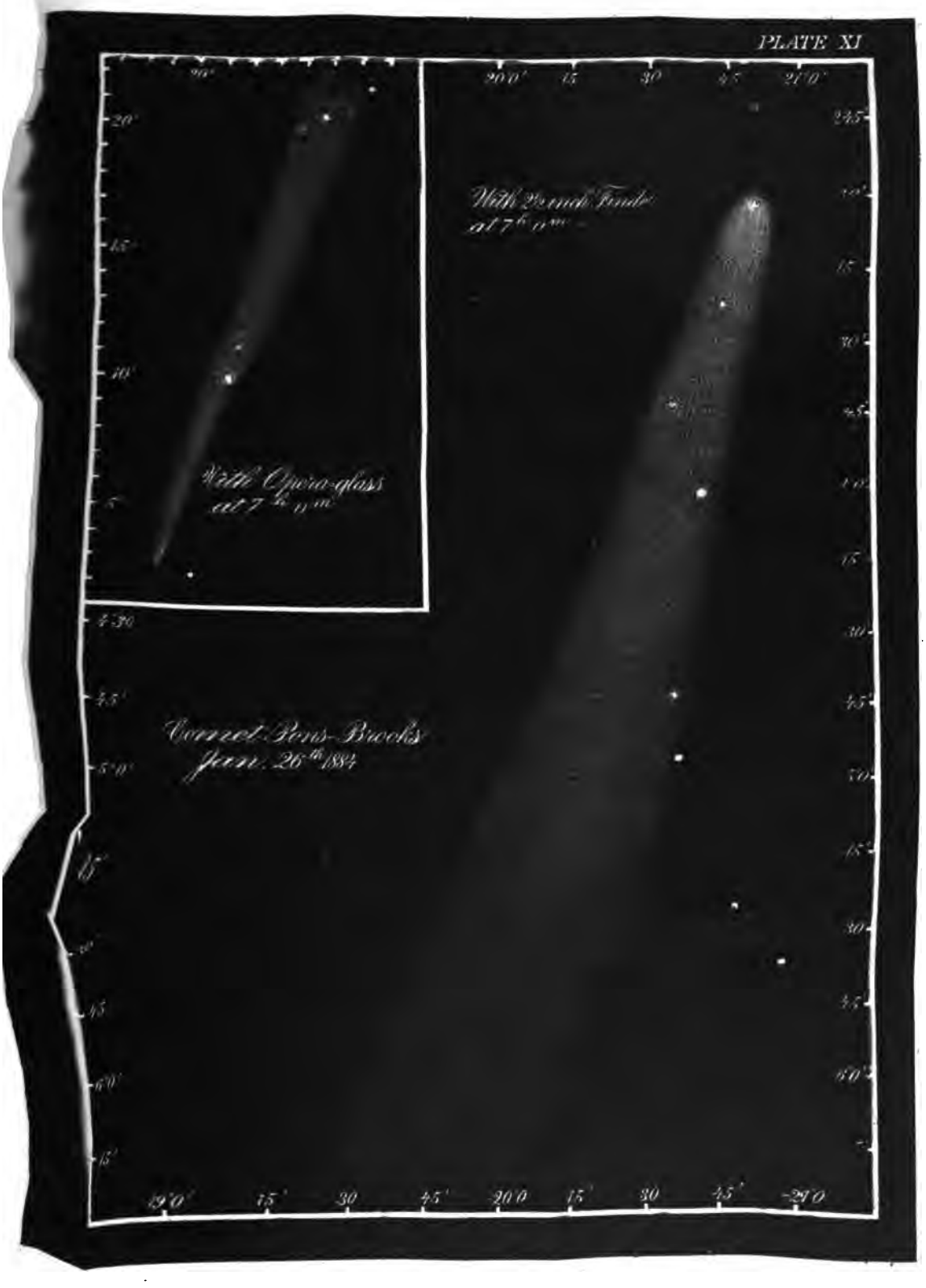

With Opera-glass
at 7h 0m
With 2 ends Finder
at 7h 0m
Comet Pons-Brooks
Jan. 26th 1884

Plate XII.

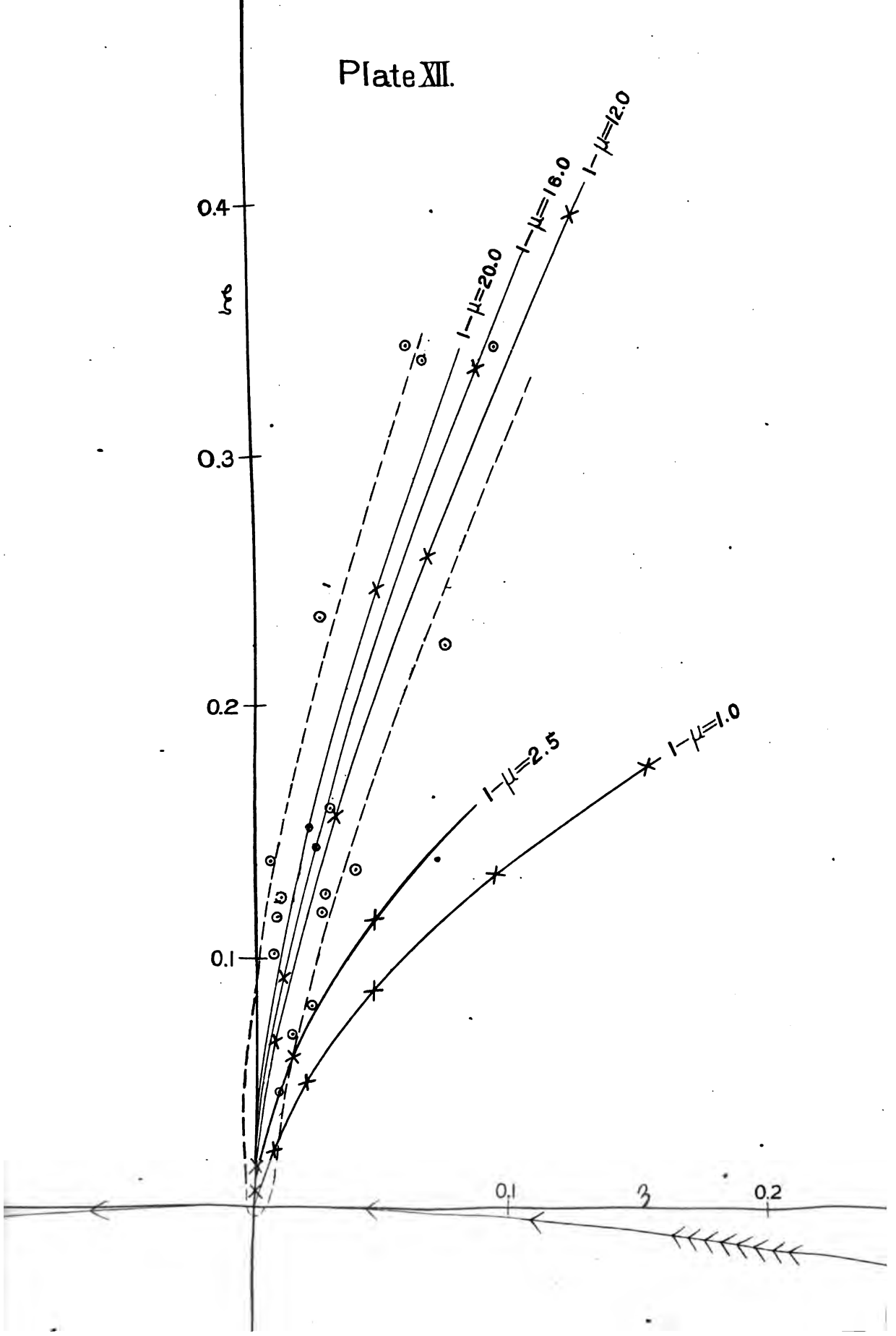
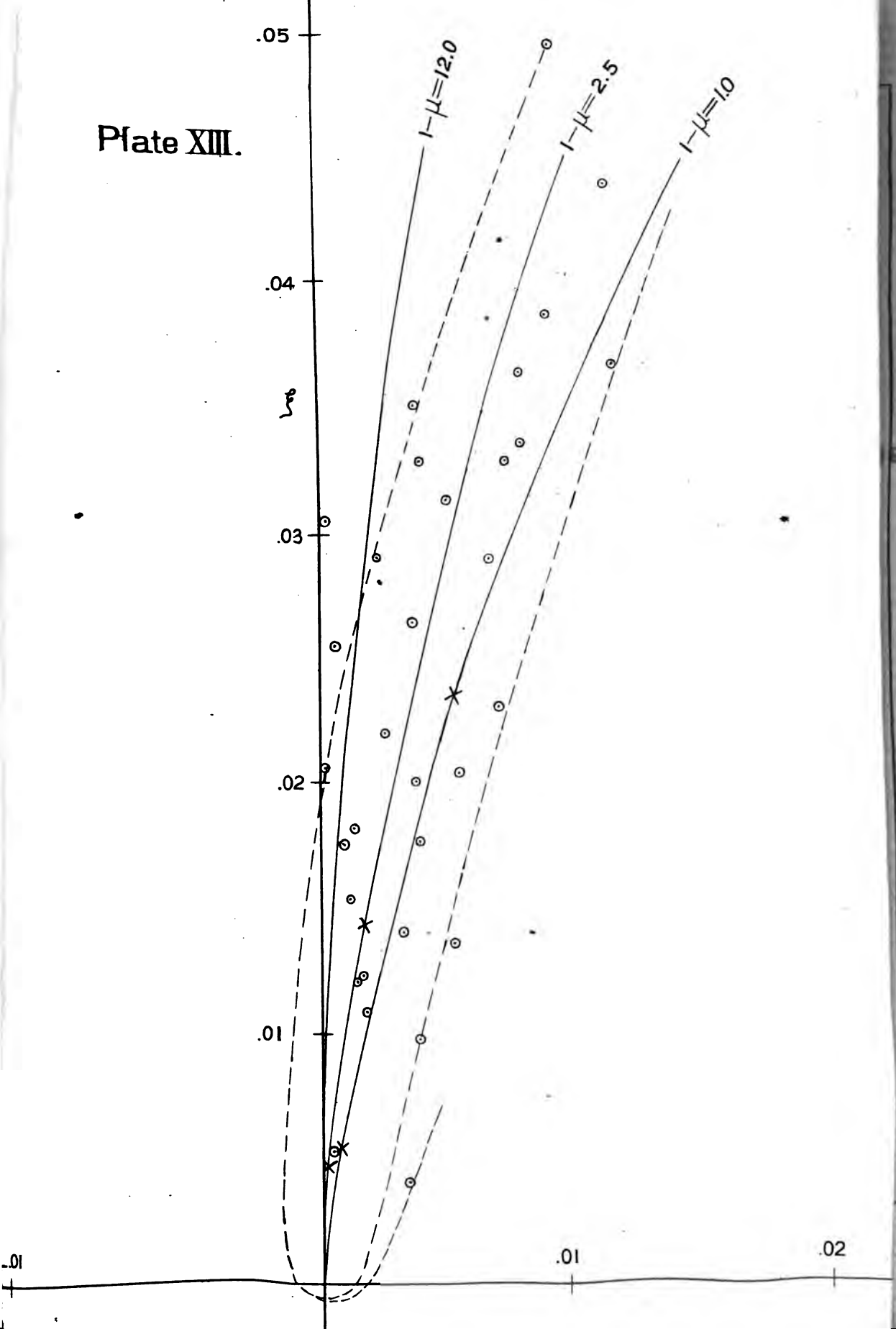


Plate XIII.



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CINCINNATI:

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INTRODUCTION.

THIS publication contains the results of a series of zones taken with the three-inch Buff and Berger transit instrument belonging to this observatory, during the years 1885, 1886, and the first half of 1887. The region covered by the zones is from declination —18° 50′ to —22° 20′. Within these limits most of the stars down to the 8.5 magnitude have been observed, besides a considerable number of fainter ones. Owing to the low power which it was necessary to use in order to gain sufficient breadth of field, the accuracy of the positions is not so great as I could wish. Nevertheless, since great care has been taken to avoid constant errors, and in every case where the individual values showed unusual discordance the position has been revised, it is hoped that the results will be found, for the most part, tolerably trustworthy.

The eye-piece employed magnified 30 times, and the breadth of the field was about 50′. The transits, which were recorded by chronograph, were taken over the middle tally of five lines, except where the stars were crowded, when one of the side tallies of three lines was often used. The bisections for declination were made as near the middle of the field as possible. Two readings were taken whenever time allowed. The zones were so arranged as to include at least two zero stars in each, one at the beginning and one at the end; ordinarily, however, the number was greater, some zones containing twenty and over. As the zones were taken 15′ apart in declination, each star was ordinarily observed at least three times in different parts of the field. But the fainter stars were not uniformly observed in every zone, and hence it was found necessary to take revision zones, and in a few cases to make equatorial comparisons with neighboring stars.

In reducing the observations the times of transit were corrected for inclination of the lines to the meridian, and the micrometer readings for differential refraction. Tables were formed for each zone giving the reduction to the beginning of 1885 for the middle declination and for convenient intervals of right ascension.

The adopted positions of the zero stars, together with the authorities, are given at the close of this introduction. I am indebted to Mr. H. V. Egbert, Assistant at the Dudley Observatory, for observations of several of these stars. Unfortunately, the Argentine General Catalogue was not received until the reductions of our zones were nearly completed. Otherwise the list of zero stars could have been largely increased. I have reduced all the stars observed at Cordoba, which occur in this catalogue to 1885, and compared them with the Cincinnati positions. The stars occurring in Yarnall's cata-

logue were also compared in the same manner. The results are shown in the following table. Proper motions wherever known were applied before taking the differences.

	Cincinnati—Argentine.			Cincinnati—Yarnall.		
R. A.	Δ α	Δ δ	No. of Stars.	Δ α	Δ δ	No. of Stars.
H.	s.	″		s.	″	
0— 1	+0.019	+0.48	10	+0.105	+2.62	4
1— 2	—0.077	+0.85	10	.....	.....	0
2— 3	+0.023	—0.80	15	.....	.....	0
3— 4	+0.026	—0.18	13	+0.061	—0.10	10
4— 5	+0.003	—0.04	10	—0.025	—0.50	2
5— 6	—0.041	—0.35	15	+0.300	+0.10	1
6— 7	—0.063	—0.69	34	.....	.....	0
7— 8	—0.113	—0.64	27	—0.030	+1.60	2
8— 9	+0.070	—0.99	18	.....	.....	0
9—10	+0.048	+0.20	10	+0.147	0.00	3
10—11	—0.080	—0.49	20	.....	.....	0
11—12	—0.010	+0.80	14	+0.005	+1.85	2
12—13	—0.029	+1.23	19	+0.135	—1.85	2
13—14	—0.027	—0.08	12	—0.058	—0.70	4
14—15	+0.044	+0.76	8	+0.272	+0.30	5
15—16	+0.058	+0.73	20	+0.068	—0.06	25*
16—17	+0.029	+0.51	15	+0.094	+0.41	19
17—18	+0.040	—0.05	23	+0.096	—0.42	19
18—19	—0.005	—0.70	23	+0.110	—0.09	40
19—20	+0.060	+0.54	25	+0.048	+0.20	35
20—21	+0.003	+0.25	21	+0.063	+0.61	29
21—22	+0.022	+0.08	27	+0.128	—0.04	26
22—23	+0.013	—0.01	12	.....	.....	0
23—0	—0.009	+0.67	11	+0.049	+0.27	17

*No. 2631 differs from Yarnall by 25″ in declination, and was omitted in the comparison.

A computation of the probable error of a single observation from 342 stars, chosen at random, gave $\pm 0.^{s}123$ and $\pm 1.''84$. Hence the probable errors of the mean results are:

No. of Obs.	P.E.(R. A.)	P.E.(Decl.)
	s.	″
2	±0.087	±1.30
3	0.071	1.06
4	0.062	0.92
5	0.055	0.82

Mr. H. C. Wilson assisted in the work of observation and reduction until June, 1886, when he closed his connection with this observatory. Aside from this, the whole of the work of observation, reduction, and preparation for printing has been done by myself.

Every catalogue in our possession has been carefully searched, and the references will be found pretty complete for the authorities given in the following list. The Washington Zones were referred to only in cases of discordance, or suspected proper motion. All the older observations were brought up to 1885, and compared with the Cincinnati positions. The proper motions thus discovered are given in the appendix. All but five or six are new, so far as I am aware.

J. G. PORTER, Astronomer.

LIST OF AUTHORITIES REFERRED TO IN THIS CATALOGUE.

Brad.	Bessel's Fundamenta Astronomiæ.
Lal.	Baily's Lalande.
Abo.	Argelander's Abo Catalogue.
Rüm.	Rümker's Catalogue of 12,000 Stars.
O. A.	Oeltzen's Argelander, Southern Zones.
Bonn VI.	Argelander's Astronomische Beobachtungen zu Bonn, VI Band.
Lam.	Lamont's Zone Catalogues; also, a Catalogue contained in Annalen der Sternwarte bei München, XX Band.
Green.	Greenwich Catalogues for 1840–45–50–60.
Yar.	Yarnall's Washington Catalogue.
Tac.	A Catalogue of 1,001 Stars by Signor P. Tacchini, published at the Washburn Observatory.
Brux.	Annales de l'Observatoire de Bruxelles, 1848 to 1878.
Camb.	Cambridge Observations, 1849–50–51.
Cape.	Cape Catalogue for 1840–50–60.
Arm. 2.	Second Armagh Catalogue.
W. Z.	Washington Zones.
Wash.	Washington Observations, year added.
Rad.	Radcliffe Observations, year added.

ZERO STARS.

Magnitudes.	R. A. 1885.0	Declination. 1885.0	Authorities.
	H. M. S.	° ′ ″	
5.5	0 08 47.94	—19 34 11.8	Cape '80.
6.5	12 27.51	—21 46 38.1	Rad. '81.
8.5	15 03.46	—20 34 03.8	Cape '84, A. N. 2673.
7.5	15 56.80	—20 41 45.5	Rad. '81.
7	19 55.01	—22 16 08.3	Cape '80.
7	20 28.69	—22 18 35 2	Cape '80.
7	22 35.20	—20 58 05.5	Green. '82.
7	36 57.21	—20 49 25.4	Cape '80.
6	42 19.55	—22 21 00.8	Cape '80.
7	53 03.56	—20 15 14.9	Green. '81.
6	1 24 05.08	—22 13 28.4	Cape '80.
6	54 21.63	—21 23 01.7	Cape '80.
5	54 35.17	—21 38 08.8	Berlin Jahrbuch.
7	2 03 52.51	—20 06 54.7	Albany.
7	20 07.27	—22 19 40.7	Cape '80
5.5	39 44.10	—19 03 35.9	Cape '80, Green. '78, '80, '81.
4.5	45 49.35	—21 28 44.0	Berlin Jahrbuch.
6.5	3 10 03.70	—20 26 47.6	Albany.
4	14 24.11	—22 10 38.6	Cape '80, Green. '82, Wash. '75, '80.
4	28 42.44	—22 01 08.6	Cape '80.
6	4 15 38.04	—20 54 52.4	Green. '81, '83.
5	35 24.65	—19 53 34.8	Cape '80, Green. '80.
6	40 07.39	—21 29 43.1	Cape '80.
7	45 41.17	—19 05 48.2	Albany.
4	56 26.18	—20 13 12.2	Cape '80.
7	5 03 01.73	—20 16 12.1	Cape '80.
7.5	21 28.42	—20 48 58.8	Wash. '75.
8	22 55.59	—20 54 08.2	Green '80, '83.
3	23 19.08	—20 51 07.4	Berlin Jahrbuch.
6.5	26 12.33	—20 56 58.2	Cape '80, Green. 9 yr., Green. '80.
6	37 23.65	—22 25 49.6	Cape '80.
4	46 22.56	—20 53 24.0	Berlin Jahrbuch.
6	6 02 05.58	—21 47 58.3	Berlin '75, A. N. 2090.
4	02 41.31	—19 09 13.2	Cape '80.
7.5	12 17.62	—22 19 58.3	Cape '80.
7.5	12 26.06	—21 42 05.4	Albany.
5	31 40.08	—19 09 30.2	Cape '80, Green. 9 yr., Green. '77, '80.
6	41 01.16	—20 39 16.1	Cape '80.
6.5	42 05.90	—20 53 31.2	Cape '80, Green. 9 yr.
5.5	48 34.60	—20 04 59.4	Cape '80.
6.5	50 04.76	—20 15 32.1	Cape '80.
5.5	50 38.26	—19 59 27.2	Cape '80.
5	7 29 07.86	—22 02 55.7	Green. '82.
6	42 15.93	—22 14 14.8	Cape '80.
6.5	59 35.05	—19 24 10.7	Cape '80.
6	8 02 13.69	—20 13 22.1	Cape '80.
7.5	03 49.65	—21 21 54.0	Albany.
5	03 53.60	—18 54 32.6	Cape '80.
6.5	26 20.93	—19 11 23.4	Cape '80.
6.5	9 06 42.66	—19 16 42.0	Green. '82.
6.5	26 59.94	—18 53 36.6	Green. '83.

ZERO STARS.

Magnitude.	R. A. 1885.0	Declination. 1885.0	Authorities.
	H. M. S.	° ′ ″	
5.5	0 08 47.94	—19 34 11.8	Cape '80.
6.5	12 27.51	—21 46 38.1	Rad. '81.
8.5	15 03.46	—20 34 03.8	Cape '84, A. N. 2673.
7.5	15 56.80	—20 41 45.5	Rad. '81.
7	19 55.01	—22 16 08.3	Cape '80.
7	20 28.69	—22 18 35 2	Cape '80.
7	22 35.20	—20 58 05.5	Green. '82.
7	36 57.21	—20 49 25.4	Cape '80.
6	42 19.55	—22 21 00.8	Cape '80.
7	53 03.56	—20 15 14.9	Green. '81.
6	1 24 05.08	—22 13 28.4	Cape '80.
6	54 21.63	—21 23 01.7	Cape '80.
5	54 35.17	—21 38 08.8	Berlin Jahrbuch.
7	2 03 52.51	—20 06 54.7	Albany.
7	20 07.27	—22 19 40.7	Cape '80
5.5	39 44.10	—19 03 35.9	Cape '80, Green. '78, '80, '81.
4.5	45 49.35	—21 28 44.0	Berlin Jahrbuch.
6.5	3 10 03.70	—20 26 47.6	Albany.
4	14 24.11	—22 10 38.6	Cape '80, Green. '82, Wash. '75, '80.
4	28 42.44	—22 01 08.6	Cape '80.
6	4 15 38.04	—20 54 52.4	Green. '81, '83.
5	35 24.65	—19 53 34.8	Cape '80, Green. '80.
6	40 07.39	—21 29 43.1	Cape '80.
7	45 41.17	—19 05 48.2	Albany.
4	56 26.18	—20 13 12.2	Cape '80.
7	5 03 01.73	—20 16 12.1	Cape '80.
7.5	21 28.42	—20 48 58.8	Wash. '75.
8	22 55.59	—20 54 08.2	Green '80, '83.
3	23 19.08	—20 51 07.4	Berlin Jahrbuch.
6.5	26 12.33	—20 56 58.2	Cape '80, Green. 9 yr., Green. '80.
6	37 23.65	—22 25 49.6	Cape '80.
4	46 22.56	—20 53 24.0	Berlin Jahrbuch.
6	6 02 05.58	—21 47 58.3	Berlin '75, A. N. 2090.
4	02 41.31	—19 09 13.2	Cape '80.
7.5	12 17.62	—22 19 58.3	Cape '80.
7.5	12 26.06	—21 42 05.4	Albany.
5	31 40.08	—19 09 30.2	Cape '80, Green. 9 yr., Green. '77, '80.
6	41 01.16	—20 39 16.1	Cape '80.
6.5	42 05.90	—20 53 31.2	Cape '80, Green. 9 yr.
5.5	48 34.60	—20 04 59.4	Cape '80.
6.5	50 04.76	—20 15 32.1	Cape '80.
5.5	50 38.26	—19 59 27.2	Cape '80.
5	7 29 07.86	—22 02 55.7	Green. '82.
6	42 15.93	—22 14 14.8	Cape '80.
6.5	59 35.05	—19 24 10.7	Cape '80.
6	8 02 13.69	—20 13 22.1	Cape '80.
7.5	03 49.65	—21 21 54.0	Albany.
5	03 53.60	—18 54 32.6	Cape '80.
6.5	26 20.93	—19 11 23.4	Cape '80.
6.5	9 06 42.66	—19 16 42.0	Green. '82.
6.5	26 59.94	—18 53 36.6	Green. '83.

Magnitudes.	R. A. 1885.0	Declination. 1885.0	Authorities.
	h. m. s.	° ′ ″	
5.6	21 17 38.26	—21 20 21.8	Green. 9 yr.
6	20 43.57	—21 41 34.4	Green. 9 yr., Wash. '75, '76, '80, Rad. '81.
8.5	21 00.89	—20 45 52.4	Berlin '75, A. N. 2090.
5	22 09.86	—22 18 24.4	Green. 9 yr., Rad. '81.
6	28 23.52	—20 35 45.1	Green. 9 yr.
7	28 26.87	—20 45 42.2	Wash. '78, '79.
5	30 38.41	—19 58 50.0	Cape '80, Green. 9 yr., Rad. '81.
7.5	32 23.84	—20 08 30.7	Wash. '75.
5	36 14.07	—19 23 21.5	Green. 9 yr.
6	36 47.41	—20 08 42.8	Green. 9 yr.
6.5	52 18.84	—21 43 52.8	Green. '81, '82, '83.
6	22 02 40.56	—19 04 53.2	Green. 9 yr., Rad. '81.
6.5	04 39.54	—21 47 49.0	Wash. '79.
6	07 56.74	—21 38 43.2	Rad. '81.
5.5	15 15.70	—22 10 26.6	Cape '80.
9	18 28.78	—20 10 39.1	Berlin '75, A. N. 2090.
5	28 24.12	—21 17 49.7	Cape '80, Green. '83.
7	36 46.81	—22 15 34.7	Cape '80.
4	23 03 18.88	—21 47 47.5	Berlin Jahrbuch.
7	10 44.03	—21 49 45.8	Wash. '80.
5	16 55.71	—20 43 41.6	Cape '80.
7	18 00.49	—22 24 11.8	Cape '80, Rad. '81.
7.5	18 04.00	—19 19 15.6	Rad. '81.
5	20 00.27	—21 16 19.9	Cape '80, Green. '78, '80.
7.5	20 31.60	—22 22 24.0	Cape '80.
6.5	25 40.17	—22 00 13.5	Rad. '81.
6.5	27 15.47	—21 33 01.3	Green. '83.
5.5	38 14.14	—18 54 54.6	Cape '80, Green. '78, '80, Rad. '81.
6	40 02.31	—19 19 03.6	Rad. '81.
7.5	40 02.60	—19 19 08.1	Rad. '81.
7	43 28.82	—22 15 13.1	Cape '80.
7	46 43.77	—19 12 05.5	Rad. '81.

ZONE CATALOGUE OF 4050 STARS

FOR THE EPOCH

1885.

Number.....	Magnitudes.	Mean R. A. 1885.0	Epoch.....	No. of Obs..	Ann. Prec...	Mean Declination. 1885.0	Epoch.....	No. of Obs.	Ann. Prec...	Authorities.
		H. M. S.			s.	° ′ ″			″	
1	9.2	0 00 17.89	86.09	3	+3.072	—19 56 33.6	86.26	4	+20.05	
2	9	00 39.32	86.29	2	3.071	—22 08 34.8	86.29	2	20.05	O. A.
3	9	00 54.05	86.44	3	3.071	—19 26 31.9	86.44	3	20.05	O. A.
4	9	00 59.05	86.30	2	3.070	—20 33 12.2	86.30	2	20.05	
5	8.5	01 09.68	85.79	2	3.070	—19 27 40.2	85.79	2	20.05	O. A.
6	8	0 02 07.09	86.27	2	+3.068	—19 19 29.0	86.27	2	+20.05	O. A.
7	8.5	02 27.27	85.77	3	3.067	—19 50 59.1	85.77	3	20.05	O. A., Yar.
8	8.5	02 31.17	85.77	3	3.067	—19 51 47.6	85.77	3	20.05	O. A., Yar.
9	8	02 32.65	85.82	2	3.066	—22 03 01.3	85.82	2	20.05	
10	7.5	03 07.21	85.78	3	3.065	—21 50 45.8	85.78	3	20.05	
11	9	0 03 43.95	85.82	2	+3.064	—22 01 16.1	85.82	2	+20.05	O. A.
12	9	04 18.99	85.81	3	3.063	—20 37 22.7	85.83	2	20.05	O. A.
13	9	04 19.54	86.28	2	3.063	—19 30 20.0	86.28	2	20.05	
14	9	04 25.15	86.28	2	3.063	—19 30 08.1	86.28	2	20.05	
15	8	05 06.40	86.27	2	3.062	—19 12 43.2	86.27	2	20.05	O. A. See note.
16	8	0 05 27.02	85.78	3	+3.060	—21 53 18.2	86.02	4	+20.05	O. A.
17	8.5	05 37.36	86.11	3	3.061	—19 20 49.5	86.11	3	20.05	
18	7.5	05 43.47	86 27	2	3.061	—19 14 27.0	86.44	3	20.05	Lal., Bonn VI.
19	9.5	05 58.71	86.30	2	3.059	—20 20 30.4	86.47	3	20.05	O. A.
20	9	06 48.12	85.77	3	3.058	—19 50 05.0	85.77	3	20.04	O. A., Yar.
21	7.5	0 07 26.94	85.80	4	+3.055	—21 15 35.1	85.80	4	+20.04	Lal., Bonn VI.
22	9	08 30.12	86.29	2	3.052	—22 12 47.1	86.29	2	20.04	O. A.
23	7	08 31.03	85.78	5	3.052	—21 49 45.5	85.78	5	20.04	Lal., O. A. Proper motion.
24	9	08 36.59	86.28	4	3.054	—19 44 16.4	86.28	4	20.04	
25	9	10 32.36	85.83	4	3.050	—20 02 02.0	85.83	4	20.03	
26	9	0 10 47.96	86.25	2	+3.047	22 14 25.6	86.25	2	+20.03	Bonn VI.
27	9	10 48.07	86.10	3	3.047	—22 11 21.4	86.10	3	20.03	
28	7	10 52.48	85.83	4	3.048	—20 50 56.5	85.83	4	20.03	Lal., Bonn VI., Arm. 2. Note.
29	7.5	11 42.52	85.86	3	3.048	—19 41 23.9	86.10	4	20.03	Lal., O. A., Brux.
30	9.5	12 08.46	86.30	2	3.045	—20 56 46.2	86.30	2	20.03	
31	9	0 12 55 67	86.30	2	+3.045	—19 59 53.8	86.48	3	+20.02	
32	9	13 33.84	86.30	2	3.042	—20 45 50.4	86.47	3	20.02	O. A.
33	9	13 42.00	86.34	2	3.041	—21 34 52.7	86 58	4	20.02	
34	8	17 36.06	85.86	3	3.036	—19 31 40.8	85.86	3	20.00	Lal., O. A., Lam.
35	9.5	17 39.46	86.48	3	3.032	21 20 01.9	86.48	3	20.00	O. A.
36	9	0 18 58.19	86.15	3	+3.031	—20 29 12.6	86.15	3	+19.98	
37	7.5	19 01.04	86.35	2	3.034	—19 06 25.4	86 35	2	19.98	Lal., O. A., Arm. 2.
38	8.5	19 08.29	86.08	4	3.031	—20 34 47.5	86.08	4	19.98	O. A.
39	9	19 46.82	86.21	3	3.032	—19 27 10.6	86.21	3	19.98	O. A.
40	8	19 48.97	85.84	4	3.029	20 34 09.6	85.84	4	19.98	O. A., Lam.
41	9	0 20 24.40	86.26	2	+3.024	—22 11 07.7	86.26	2	+19.97	
42	7.5	20 33.39	86.21	3	3.030	—19 19 49.2	86.21	3	19.97	Lal., O. A., Arm. 2.
43	8.2	21 05.74	85.84	5	3.024	—21 18 05.6	85.84	5	19.97	O. A. Note.
44	8.5	21 17.38	86.16	3	3.024	—21 08 57.9	86.16	3	19.96	O. A.
45	7	21 49.78	85.84	5	3.024	—20 46 15.5	85.84	5	19.96	Lal., O. A., Bonn VI., Yar., Arm. 2.
46	9	0 21 57.37	86.18	3	+3.026	—19 57 13.7	86.18	3	+19.96	O. A.
47	9	22 17.66	86.26	2	3.020	—21 55 45.6	86.26	2	19.96	
48	9	24 08.93	86.18	3	3.022	—19 40 37.6	86.18	3	19.94	O. A.
49	8.5	24 23.90	86.26	2	3.015	—22 05 57.8	86.26	2	19.94	O. A.
50	8.5	24 27.43	85.83	4	3.021	—19 49 17.1	85 83	4	19.94	O. A.

Number.....	Magnitudes.	Mean R. A. 1885.0	Epoch.....	No. of Obs..	Ann. Prec...	Mean Declination. 1885.0	Epoch.....	No. of Obs..	Ann. Prec...	Authorities.
		H. M. S.			s.	° ′ ″			″	
51	9	0 24 35.15	86.28	2	+3.019	—20 29 06.5	86.28	2	+19.94	
52	8	24 49.60	86.21	3	3.022	—19 15 23.1	86.21	3	19.93	Lal., O. A., Rüm.
53	8	25 25.89	86.11	3	3.013	—21 59 10.9	86.11	3	19.93	O. A., Lam., Wash. '73.
54	9.5	26 57.36	86.46	3	3.014	—20 26 38.7	86.46	3	19.92	
55	8	27 33.07	85.83	4	3.014	—20 07 53.0	85.83	4	19.91	
56	9	0 28 40.60	86.08	4	+3.012	—19 57 55.9	86.23	5	+19.90	O. A.
57	8	29 31.76	86.35	2	3.013	—19 03 27.1	86.52	3	19.89	O. A.
58	8	29 33.21	86.35	2	3.013	—19 11 46.7	86.52	3	19.89	O. A.
59	8.5	29 39.38	86.28	2	3.001	—22 22 43.8	86.28	2	19.89	
60	9	30 14.60	86.54	3	3.010	—19 23 48.3	86.54	3	19.88	O. A.
61	7.8	0 30 22.01	85.83	6	+3.003	—21 23 34.7	85.83	6	+19.88	Lal., O. A.
62	8:5	30 27.66	86.26	2	3.001	—22 01 54.7	86.26	2	19.88	O. A.
63	9	31 28.87	86.15	3	3.004	—20 20 54.7	86.15	3	19.87	
64	8	31 37.93	85.80	3	3.005	—20 11 53.0	85.80	3	19.86	Lal., O. A.
65	9	32 21.18	86.26	2	2.996	—22 02 33.9	86.26	2	19.86	O. A.
66	9	0 32 30.37	85.80	3	+2.997	—21 49 35.5	86.05	4	+19.85	O. A.
67	8.5	32 32.09	85.84	3	2.999	—21 10 16.4	85.84	3	19.85	
68	7.5	32 47.14	85.84	4	2.999	—20 55 45.9	85.84	4	19.85	Lal., O. A.
69	9	32 52.91	85.82	4	3.001	—20 22 26.7	85.82	4	19.85	O. A.
70	8.5	33 01.22	85.80	4	2.996	—21 40 24.8	85.80	4	19.85	O. A.
71	8.5	0 33 05.31	86.21	3	+3.004	—19 29 59.6	86.21	3	+19.85	
72	8.5	33 17.77	86.26	2	2.995	—21 54 33.6	86.26	2	19.84	O. A.
73	8.5	33 26.47	85.85	4	2.999	—20 43 12.7	85.85	4	19.84	Lal., O. A. Note.
74	9	33 32.69	86.15	3	3.000	—20 29 34.0	86.15	3	19.84	O. A.
75	8.5	33 55.92	86.26	2	2.992	—22 12 40.6	86.26	2	19.84	
76	9	0 34 41.81	86.51	3	+2.992	—21 37 31.3	86.51	3	+19.83	
77	9	35 34.38	86.46	3	2.995	—20 29 41.6	86.46	3	19.82	O. A.
78	7.8	35 45.78	85.84	4	2.993	—20 55 51.5	85.84	4	19.82	Lal., O. A.
79	9	36 55.32	86.17	3	2.990	—20 59 00.7	86.17	3	19.80	O. A.
80	9	36 55.76	86.14	3	2.993	—20 15 39.3	86.14	3	19.80	
81	8.5	0 37 00.13	86.18	3	+2.995	—19 42 00.2	86.18	3	+19.79	
82	9.5	37 02.65	86.81	2	2.990	—20 59 24.3	86.81	2	19.79	
83	8.2	37 07.68	86.26	2	2.984	—22 17 23.9	86.26	2	19.79	O. A.
84	9.2	37 11.35	85.85	2	2.988	—21 15 25.8	85.85	2	19.79	
85	8.5	37 24.55	86.26	2	2.983	—22 20 15.8	86.26	2	19.79	O. A.
86	8.7	0 38 04.20	86.13	3	2.984	—21 42 01.1	86.13	3	+19.78	
87	9	38 13.87	86.34	2	2.988	—20 52 41.7	86.34	2	19.78	O. A., Bonn VI.
88	9.2	38 58.79	86.46	3	2.980	—22 13 52.1	86.46	3	19.77	
89	8.5	39 09.17	85.83	3	2.985	—20 57 55.6	85.83	3	19.76	O. A.
90	8.7	39 12.91	85.76	2	2.980	—22 02 07.0	85.76	2	19.76	
91	8.5	0 39 16.18	85.82	3	+2.990	—19 55 35.5	85.82	3	+19.76	Lal., O. A.
92	9	39 55.10	85.85	2	2.981	—21 32 18.6	85.85	2	19.75	O. A.
93	9	40 01.11	86.26	2	2.979	—21 50 43.0	86.26	2	19.75	
94	8.7	40 29.78	85.85	2	2.981	—21 17 28.4	85.85	2	19.74	
95	8.7	40 37.85	86.30	2	2.983	—20 43 24.8	86.30	2	19.74	
96	9	0 40 58.28	85.82	3	+2.986	—20 03 24.4	85.82	3	+19.73	O. A.
97	9	40 59.12	85.84	3	2.983	—20 35 07.2	85.84	3	19.33	
98	9	41 15.43	86.21	3	2.987	—19 32 20.6	86.21	3	19.72	O. A.
99	9	41 28.88	86.33	2	2.978	—21 29 56.5	86.33	2	19.72	
100	8.5	41 37.03	85.83	4	2.982	—20 35 33.6	85.83	4	19.72	

Number.....	Magnitudes.	Mean R. A. 1885.0	Epoch.....	No. of Obs.	Ann. Prec...	Mean Declination. 1885.0	Epoch.....	No. of Obs.	Ann. Prec...	Authorities.
		H. M. S.			s.	° ′ ″			″	
101	8.7	0 42 58.47	86.35	2	+2.986	—19 10 08.8	86.35	2	+19.70	O. A.
102	9.2	43 16.27	86.29	2	2.979	—20 20 01.4	86.29	2	19.70	
103	7	43 25.08	85.80	4	2.972	—21 46 40.8	85.80	4	19.70	Lal., O. A.
104	8.5	43 36.96	86.11	3	2.970	—22 01 27.8	86.11	3	19.69	Lal., Bonn VI.
105	8.5	44 01.52	85.80	3	2.971	—21 45 19.8	86.05	4	19.69	O. A.
106	9.5	0 44 04.05	86.29	2	+2.977	—20 24 47.7	86.82	3	+19.68	
107	9	44 57.64	86.35	2	2.982	—19 07 51.1	86.35	2	19.67	O. A.
108	8.7	45 13.72	85.84	3	2.969	—21 30 10.4	85.84	3	19.66	O. A.
109	8.5	46 21.66	85.83	4	2.974	—20 02 47.8	85.83	4	19.64	O. A.
110	7.5	46 32.96	85.80	4	2.965	—21 43 56.8	85.80	4	19.64	Lal., O. A. Proper motion.
111	8	0 46 50.10	85.84	3	+2.971	—20 31 10.9	85.84	3	+19.63	O. A.
112	8	46 50.43	85.81	5	2.965	—21 37 08.1	85.81	5	19.63	Lal., O. A. Proper motion. Note.
113	7.5	47 00.17	86.11	3	2.962	—22 03 43.5	86.11	3	19.63	Lal., O. A.
114	9	47 04.22	86.35	2	2.977	—19 11 59.5	86.35	2	19.63	O. A.
115	8.5	48 15.16	86.11	3	2.960	—21 54 51.2	86.11	3	19.61	O. A.
116	8	0 48 59.84	86.26	2	+2.957	—22 05 48.4	86.26	2	+19.60	O. A.
117	8	50 07.62	86.35	2	2.972	—19 09 16.1	86.35	2	19.58	Lal., O. A., Bonn VI.
118	8.5	50 12.17	86.21	3	2.970	—19 23 13.4	86.21	3	19.57	Lal., O. A.
119	8	50 24.24	85.82	5	2.958	—21 19 32.5	85.82	5	19.57	Lal., O. A.
120	8	50 49.50	85.83	5	2.965	—20 03 59.9	85.83	5	19.56	
121	9.5	0 51 23.24	86.26	2	+2.953	—21 55 37.1	86.26	2	+19.55	
122	7	51 56.91	85.85	4	2.965	—19 37 11.4	86.07	5	19.54	Lal., O. A. Note.
123	9.5	51 57.25	86.50	3	2.960	—20 35 09.1	86.50	3	19.54	
124	7.5	52 18.82	85.82	5	2.954	—21 17 48.5	85.82	5	19.53	Lal., O. A.
125	8.5	52 30.38	85.80	4	2.951	—21 48 00.0	86.00	5	19.53	O. A.
126	9	0 52 39.08	86.30	2	+2.956	—20 56 24.4	86.47	3	+19.52	O. A., Bonn VI.
127	7.5	53 21.97	85.85	5	2.960	—19 56 48.6	85.85	5	19.51	Lal., O. A., Brux.
128	8.7	54 26.37	85.80	4	2.947	—21 40 51.2	85.80	4	19.49	O. A.
129	9	54 39.01	85.83	3	2.952	—20 53 36.9	85.83	3	19.49	
130	8	54 47.25	85.85	5	2.957	—20 00 24.6	85.85	5	19.48	Lal., Bonn VI. Proper motion.
131	7	0 55 00.76	85.84	3	2.952	—20 42 35.8	85.84	3	+19.48	Lal., O. A., Wash. '73.
132	8.5	55 27.17	86.21	3	2.959	—19 27 32.8	86.21	3	19.47	Lal., O. A.
133	9.2	55 53.16	86.26	2	2.942	—22 04 18.5	86.26	2	19.46	
134	8	56 06.88	85.85	6	2.954	—20 01 59.0	85.85	6	19.45	O. A.
135	8	56 26.75	85.82	5	2.952	—20 17 11.2	85.82	5	19.45	O. A.
136	8	0 56 33.46	86.26	2	2.939	—22 13 39.6	86.26	2	+19.44	Lal., O. A.
137	9	56 41.20	86.50	3	2.946	—21 01 48.4	86.50	3	19.44	
138	8	56 48.37	86.26	2	2.938	—22 13 41.3	86.26	2	19.44	O. A.
139	9	57 03.09	85.83	4	2.945	—21 09 13.1	85.83	4	19.43	O. A.
140	9	58 39.01	85.83	3	2.943	—20 53 36.9	85.83	3	19.40	
141	9	0 59 05.11	86.20	5	+2.938	—21 36 14.7	86.20	5	+19.39	O. A.
142	7.5	59 12.15	85.82	5	2.939	—21 20 57.7	85.82	5	19.39	Lal., O. A., Arm. 2.
143	8.5	59 34.98	85.90	3	2.944	—20 28 17.8	85.90	3	19.38	
144	9	1 00 00.10	85.83	2	2.945	—20 11 09.3	86.83	2	19.37	
145	8.5	00 14.48	86.26	2	2.931	—22 11 01.1	86.26	2	19.36	O. A.
146	9	1 00 24.61	86.51	3	+2.944	—20 12 08.6	86.51	3	+19.36	
147	9	00 31.85	85.90	2	2.949	—19 27 09.0	85.90	2	19.36	O. A.
148	8.7	00 37.90	86.18	3	2.940	—20 40 28.8	86.18	3	19.35	
149	8.5	00 44.14	86.46	3	2.929	—22 17 21.6	86.46	3	19.35	O. A.
150	9	00 51.15	86.38	2	2.940	—20 40 24.1	86.38	2	19.35	

Number.....	Magnitudes.	Mean R. A. 1885.0	Epoch.....	No. of Obs..	Ann. Prec...	Mean Declination. 1885.0	Epoch.....	No. of Obs..	Ann. Prec...	Authorities.
		H. M. S.			s.	° ′ ″			″	
151	9	1 01 49.33	86.20	3	+2.944	—19 45 21.0	86.20	3	+19.33	O. A.
152	9	02 03.21	86.34	2	2.935	—21 00 25.1	86.34	2	19.32	
153	8	02 04.28	85.90	4	2.943	—19 55 18.1	85.90	4	19.32	O. A.
154	9.5	02 22.50	86.34	2	2.932	—21 15 54.7	86.50	3	19.32	
155	8.5	02 28.69	86.46	3	2.925	—22 13 49.7	86.46	3	19.32	O. A.
156	8.7	1 02 47.56	86.12	4	+2.942	—19 46 46.8	86.12	4	+19.31	O. A.
157	8.5	03 54.56	85.94	2	2.938	—20 00 13.3	85.94	2	19.28	O. A.
158	9	04 08.96	86.19	3	2.932	—20 49 51.6	86.19	3	19.28	O. A.
159	7.5	05 23.34	86.21	3	2.940	—19 25 00.1	86.21	3	19.25	
160	9	06 05.68	86.38	2	2.932	—20 16 12.3	86.38	2	19.23	O. A.
161	7.5	1 06 58.80	85.85	6	+2.924	—21 04 04.9	85.85	6	+19.21	Lal., O. A.
162	9	08 03.80	86.55	3	2.925	—20 37 21.2	86.38	2	19.18	O. A.
163	8.5	08 15.88	85.85	5	2.921	—21 07 23.8	85.85	5	19.17	O. A.
164	9	09 27.88	85.88	3	2.925	—20 17 41.2	85.88	3	19.14	O. A.
165	7.5	09 48.11	86.26	2	2.908	—22 20 13.5	86.26	2	19.13	
166	8.5	1 10 05.64	86.36	2	+2.934	—19 01 23.7	86.36	2	+19.12	
167	9	10 05.76	86.34	2	2.914	—21 30 15.3	86.34	2	19.12	
168	8.7	10 29.27	85.90	3	2.922	—20 24 41.0	85.90	3	19.11	O. A.
169	8.5	10 37.15	85.76	2	2.908	—22 05 26.1	85.76	2	19.11	O. A.
170	9	11 05.80	86.26	2	2.910	—21 40 54.9	86.46	3	19.11	
171	8.5	1 11 08.67	85.84	3	+2.918	—20 42 51.2	86.10	4	+19.10	Lal., Bonn VI. Note.
172	9	11 44.27	85.88	3	2.925	—19 37 59.9	85.88	3	19.08	O. A.
173	9	12 18.75	86.26	2	2.906	—21 49 53.6	86.26	2	19.06	O. A.
174	7.5	12 54.08	85.84	4	2.914	—20 47 44.6	85.84	4	19.04	O. A.
175	8	12 58.90	85.91	3	2.920	—19 58 10.0	85.91	3	19.04	
176	9	1 13 06.20	86.19	3	+2.910	—21 11 22.4	86.19	3	+19.04	O. A.
177	8.2	14 14.77	86.26	2	2.900	—22 03 27.1	86.26	2	19.01	
178	7.2	14 31.10	85.85	5	2.908	—21 04 29.7	85.85	5	19.00	Lal., O. A.
179	7.5	14 54.28	85.87	4	2.911	—20 32 43.9	86.07	5	18.99	Lal., O. A.
180	9	16 13.68	86.46	3	2.896	—22 00 45.4	86.46	3	18.95	O. A.
181	8	1 16 33.48	86.26	2	+2.894	—22 08 06.5	86.26	2	+18.94	O. A. Note.
182	9	16 45.07	86.40	2	2.911	—20 10 49.2	86.40	2	18.94	O. A.
183	9	16 52.61	86.21	3	2.917	—19 24 32.4	86.21	3	18.93	
184	7	16 55.95	85.88	3	2.915	—19 40 50.5	85.88	3	18.93	Lal., Bonn VI, Lam.
185	9	17 03.05	86.33	2	2.899	—21 27 03.1	86.33	2	18.93	
186	7.5	1 17 11.63	86.11	3	+2.894	—22 01 37.9	86.30	4	+18.92	Lal., O. A.
187	8	17 19.57	85.84	5	2.899	—21 20 19.0	85.84	5	18.92	O. A.
188	7.5	17 32.40	85.83	4	2.896	—21 43 43.2	85.83	4	18.92	Lal., O. A.
189	8	18 43.65	86.26	2	2.887	—22 21 10.2	86.26	2	18.88	
190	8.2	18 45.45	85.88	3	2.907	—20 08 02.4	85.88	3	18.88	O. A.
191	9	1 19 07.19	85.81	3	+2.892	—21 41 45.3	86.22	5	+18.87	O. A.
192	8.2	21 16.85	85.88	3	2.901	—20 14 26.8	85.88	3	18.81	
193	7	21 30.97	85.85	5	2.893	—21 05 21.6	85.85	5	18.80	Lal., O. A.
194	7	21 52.35	85.83	3	2.893	—20 56 58.0	86.07	4	18.79	Lal., O. A. Note.
195	8.5	22 30.53	85.88	4	2.897	—20 24 13.3	85.88	4	18.77	O. A.
196	7.2	1 22 30.63	85.85	5	+2.891	—21 01 43.1	85.85	5	+18.77	Lal., O. A.
197	8.2	22 36.46	86.26	2	2.880	—22 09 12.8	86.26	2	18.77	O. A.
198	9	23 47.81	86.20	3	2.896	—20 18 18.1	86.20	3	18.73	O. A.
199	8.5	24 28.09	85.88	3	2.895	—20 11 35.0	85.88	3	18.71	Lal., O. A.
200	8.5	25 37.99	85.81	3	2.878	—21 42 40.3	86.08	4	18.67	O. A.

Number.....	Magnitudes.	Mean R. A. 1885.0	Epoch.....	No. of Obs..	Ann. Prec...	Mean Declination. 1885.0	Epoch.....	No. of Obs..	Ann. Prec...	Authorities.
		H. M. S.			s.	° ′ ″			″	
201	9	1 25 52.02	86.38	2	+2.890	—20 23 46.2	86.38	2	+18.66	O. A.
202	7.5	26 00.85	85.88	3	2.898	—19 36 50.1	85.88	3	18.66	Lal., Bonn VI.
203	7.8	26 05.88	85.88	3	2.898	—19 37 27.4	85.88	3	18.65	Lal., Bonn VI.
204	9	26 49.74	86.22	3	2.890	—20 11 59.1	86.22	3	18.63	O. A.
205	8	27 03.17	85.88	3	2.896	—19 34 03.5	85.88	3	18.62	
206	8.5	1 27 21.38	86.08	4	+2.875	—21 40 41.4	86.08	4	+18.62	
207	7.5	27 31.79	85.90	4	2.894	—19 44 44.3	85.90	4	18.61	Lal., O. A., Bonn VI.
208	8.7	27 53.38	86.18	3	2.884	—20 41 44.0	86.18	3	18.60	O. A.
209	8	28 21.65	85.82	5	2.873	—21 37 19.6	85.82	5	18.58	Lal., O. A.
210	9	29 36.63	86.36	2	2.896	—19 04 47.6	86.36	2	18.54	O. A., Rüm.
211	9.2	1 29 41.12	86.38	2	+2.878	—20 51 00.8	86.38	2	+18.54	
212	9.2	29 47.52	86.30	2	2.870	—21 38 41.5	86.30	2	18.54	O. A.
213	8.5	29 50.33	85.83	4	2.868	—21 47 16.6	85.83	4	18.54	O. A.
214	8	30 37.30	85.85	4	2.874	—21 06 20.7	85.85	4	18.51	
215	9.2	31 18.07	86.36	2	2.871	—21 15 45.5	86.36	2	18.48	
216	8.2	1 31 42.26	85.91	3	+2.883	—19 57 28.7	85.91	3	+18.47	O. A., Bonn VI.
217	6	33 22.10	85.81	3	2.860	—21 51 42.1	85.81	3	18.41	Lal., O. A., Lam.
218	9	33 45.21	86.21	3	2.885	—19 23 01.5	86.21	3	18.40	O. A.
219	9	34 20.69	86.36	2	2.866	—21 06 04.7	86.36	2	18.38	O. A.
220	8.7	34 56.56	86.14	3	2.860	—21 35 42.0	86.14	3	18.36	
221	9	1 35 08.98	86.33	2	+2.869	—20 40 45.3	86.52	3	+18.35	
222	8.7	35 21.24	85.83	3	2.866	—20 56 51.7	85.83	3	18.34	O. A.
223	9	35 31.07	86.22	3	2.874	—20 06 04.8	86.22	3	18.33	O. A.
224	8	35 42.66	86.30	2	2.850	—22 18 04.0	86.30	2	18.33	
225	8.5	35 46.65	86.90	2	2.854	—21 55 14.7	86.50	3	18.32	
226	8.7	1 35 47.79	86.20	3	+2.869	—20 31 19.1	86.20	3	+18.32	O. A.
227	8	36 31.74	85.90	4	2.876	—19 46 19.8	85.94	4	18.30	Lal., O. A., Rüm.
228	8	37 00.70	86.14	4	2.873	—19 55 56.0	86.14	4	18.28	Lal., O. A. Note.
229	7.2	37 06.53	85.84	4	2.864	—20 45 08.5	85.84	4	18.28	Lal., O. A., Bonn VI., Rüm.
230	8	37 46.85	86.30	2	2.847	—22 11 57.1	86.30	2	18.26	Lal., O. A.
231	8.5	1 38 01.88	85.91	3	+2.871	—19 58 59.5	85.91	3	+18.25	O. A.
232	9	38 46.38	86.21	3	2.874	—19 35 12.7	86.21	3	18.22	
233	8	38 54.45	85.84	3	2.856	—21 09 51.5	85.84	3	18.22	Lal., O. A. Proper motion.
234	8.8	39 17.80	86.10	4	2.860	—20 43 40.4	86.10	4	18.20	O. A.
235	9	39 39.39	86.55	3	2.860	—20 37 42.1	86.55	3	18.19	
236	9	1 41 53.84	86.33	4	+2.845	—21 35 30.1	86.43	5	+18.10	
237	7	42 11.46	85.83	4	2.846	—21 25 06.1	85.83	4	18.09	Lal., Bonn VI., Rüm., Arm. 2.
238	8.5	42 57.62	86.08	4	2.847	—21 12 57.7	86.08	4	18.06	Lal., Bonn VI.
239	9	43 21.78	86.33	4	2.842	—21 34 34.6	86.43	5	18.05	
240	8.2	43 35.05	86.36	2	2.871	—19 02 58.2	86.36	2	18.04	Lal., O. A., Bonn VI. Note.
241	9	1 44 13.61	86.21	3	+2.864	—19 30 30.5	86.21	3	+18.02	O. A.
242	9	44 19.86	86.34	2	2.847	—20 58 28.4	86.34	2	18.01	
243	9	44 22.89	86.22	3	2.861	—19 46 36.3	86.22	3	18.01	
244	9	44 25.46	85.92	4	2.860	—19 52 44.7	85.92	4	18.01	
245	9	44 42.36	86.51	3	2.842	—21 20 02.2	86.51	3	18.00	
246	9	1 44 51.26	86.14	4	+2.852	—20 27 15.6	86.14	4	+17.99	
247	9	44 53.65	86.38	2	2.848	—20 45 49.4	86.38	2	17.99	
248	9	45 05.36	86.38	2	2.850	—20 36 47.6	86.38	2	17.99	
249	9	46 00.31	86.14	4	2.857	—19 50 34.2	86.14	4	17.95	O. A.
250	9	46 12.58	86.30	2	2.834	—21 45 43.4	86.30	2	17.94	

Number.....	Magnitudes.	Mean R. A. 1885.0	Epoch	No. of Obs..	Ann. Prec...	Mean Declination. 1885.0	Epoch	No. of Obs..	Ann. Prec...	Authorities.
		H. M. S.			s.	° ′ ″			″	
251	9	1 46 53.23	86.30	2	+2.831	—21 54 37.4	86.30	2	+17.92	
252	8.2	46 58.04	85.84	3	2.839	—21 10 44.9	85.84	3	17.91	
253	8	47 22.43	85.91	3	2.852	—20 04 18.8	85.89	4	17.89	Lal., O. A.
254	9	47 37.84	86.17	3	2.834	—21 32 19.3	86.44	5	17.88	
255	9	48 06.19	86.17	3	2.829	—21 48 39.9	86.17	3	17.86	O. A.
256	9	1 48 26.21	86.51	3	+2.856	—19 33 49.2	86.51	3	+17.85	
257	9	48 42.41	86.30	2	2.824	—22 05 35.7	86.50	3	17.84	
258	8.5	50 04.11	86.36	2	2.831	—21 22 10.8	86.36	2	17.78	
259	8	50 23.51	85.85	4	2.833	—21 07 28.0	85.85	4	17.77	Lal., Bonn VI.
260	8.5	50 32.95	86.32	2	2 817	—22 23 19.5	86.32	2	17.76	O. A.
261	8.5	1 50 46.49	86.36	2	+2.856	—19 10 48.6	86.36	2	+17.75	O. A.
262	9	53 17.66	86.37	2	2.824	—21 24 25.1	86.37	2	17.65	
263	7.5	53 29.84	85.82	4	2.820	—21 41 42.6	85.82	4	17.64	Lal., Bonn VI., Brux. Note.
264	9	54 18.73	86.38	2	2.830	—20 45 59.1	86.38	2	17.61	
265	9	55 53.89	85.93	2	2.818	—21 27 24.6	85.90	3	17.54	O. A.
266	8.7	1 56 38.85	86.30	2	+2.805	—22 17 03.5	86.30	2	+17.51	
267	9.5	57 09.27	86.38	2	2.823	—20 52 11.1	86.38	2	17.49	
268	9	57 32.39	86.20	3	2.836	—19 47 42.8	86.20	3	17.48	
269	9	58 10.67	86.36	2	2.843	—19 10 17.5	86.52	3	17.45	O. A., Rüm.
270	8.5	58 24.41	85.82	4	2.807	—21 54 44.3	85.82	4	17.44	
271	8.2	1 58 52.91	86.14	4	+2.832	—19 55 13.0	86.14	4	+17.42	O. A.
272	9	59 24.12	86.21	3	2.834	—19 41 10.6	86.37	4	17.40	O. A.
273	9	59 37.69	86.13	4	2.816	—21 00 41.5	86.13	4	17.38	
274	8.2	2 00 37.32	86.32	2	2.797	—22 18 21.6	86.32	2	17.34	O. A.
275	6.8	01 25.40	85.93	4	2.831	—19 41 09.0	85.91	5	17.31	Lal., O. A., Arm. 2.
276	9	2 02 17.10	85.90	3	+2.806	—21 21 28.0	85.90	3	+17.27	
277	8.7	02 33.17	85.90	2	2.832	—19 27 35.1	85.90	2	17.26	O. A.
278	8	02 37.36	85.82	3	2.798	—21 53 41.3	86.10	4	17.25	O. A.
279	9	03 21.60	86.18	3	2.800	—21 38 59.6	86.18	3	17.22	O. A.
280	9.3	04 00.87	86.26	3	2.804	—21 17 18.1	86.26	3	17.19	
281	9	2 04 17.56	86.25	3	+2.819	—20 09 11.1	86.25	3	+17.18	O. A.
282	9	04 44.95	86.23	3	2.802	—21 18 32.5	86.23	3	17.16	
283	9	05 12.14	85.89	3	2.810	—20 44 16.8	85.89	3	17.14	O. A.
284	7.5	05 44.19	85.92	6	2.821	—19 50 59 2	85.92	6	17.11	Lal., O. A.
285	7	06 07.73	85.92	3	2.825	—19 31 02.3	85.92	3	17.09	Lal., O. A., Tac.
286	8.5	2 06 13.70	86.25	3	+2.816	—20 06 31.0	86.25	3	+17.09	
287	9	06 16.45	86.52	3	2.790	—21 57 29.6	86.52	3	17.09	
288	8.2	06 41.36	85.89	4	2.797	—21 23 17.3	85.89	4	17.07	Lal., O. A.
289	8.5	06 44.56	86.32	2	2.787	—22 05 52.9	86.32	2	17.06	
290	8.5	06 50.31	85.67	5	2.794	—21 36 17.1	85.65	4	17.06	Lal., Bonn VI.
291	8.8	2 07 23.42	85.93	3	+2.794	—21 33 21.2	85.93	3	+17.04	
292	8.5	07 27.40	86.18	3	2.791	—21 44 05.5	86.58	3	17.03	
293	6.5	07 39.18	85.71	6	2.793	—21 32 29.3	85.71	5	17.02	Lal., Bonn VI.
294	9	07 47.69	86.38	2	2.806	—20 37 30.9	86.55	3	17.02	O. A.
295	9	08 22.94	86.44	2	2.813	—20 04 59.5	86.44	2	16.99	O. A.
296	8.5	2 08 43.49	85.89	3	+2.798	—21 04 26.0	85.89	3	+16.97	O. A.
297	8	10 24.86	85.59	3	2.784	—21 51 14.4	85.92	4	16.89	Lal., O. A.
298	9	10 31.32	85.90	4	2.815	—19 40 17.6	85.90	4	16.89	O. A., Rüm.
299	9	10 48.47	86.23	3	2.787	—21 32 36.1	86.23	3	16.88	O. A.
300	8.2	11 13.57	85.65	4	2.785	—21 39 16.7	85.65	4	16.86	Lal., O. A., Tac.

Number.....	Magnitudes.	Mean R. A. 1885.0	Epoch.....	No. of Obs..	Ann. Prec...	Mean Declination. 1885.0	Epoch.....	No. of Obs..	Ann. Prec...	Authorities.
		H. M. S.			s.	° ′ ″			″	
301	8	2 11 48.70	85.90	3	+2.800	—20 31 50.7	86.14	4	+16.83	Lal., Bonn VI.
302	9	12 13.68	86.27	3	2.805	—20 07 09.4	86.27	3	16.81	O. A.
303	7	13 31.59	85.91	5	2.804	—20 03 50.9	85.91	5	16.75	Lal., O. A.
304	8.5	14 01.33	86.35	2	2.817	—19 05 57.5	86.35	2	16.72	O. A.
305	9	14 10.62	86.24	3	2.787	—21 08 31.7	86.24	3	16.71	
306	8	2 14 17.59	85.90	4	+2.808	—19 40 56.6	85.90	4	+16.71	O. A.
307	8.5	14 17.84	85.71	5	2.781	—21 31 06.3	85.71	5	16.71	
308	8.5	14 37.43	85.90	3	2.794	—20 33 49.7	85.90	3	16.69	O. A.
309	8	14 47.73	85.89	4	2.782	—21 21 21.1	85.89	4	16.68	Lal., O. A.
310	6.5	15 52.45	85.88	4	2.794	—20 26 31.8	85.88	4	16.63	O. A.
311	9	2 16 07.39	86.22	3	+2.787	—20 50 44.1	86.22	3	+16.62	
312	9.5	17 11.32	86.42	2	2.774	—21 38 03.1	86.42	2	16.57	
313	9	19 21.42	85.90	3	2.786	—20 33 38.2	85.90	3	16.46	O. A.
314	9	19 35.68	85.90	2	2.782	—20 48 07.5	85.90	2	16.44	
315	9	19 48.42	86.42	2	2.789	—20 21 01.4	86.58	3	16.43	
316	8.5	2 19 53.70	85.90	3	+2.776	—21 09 06.0	85.90	3	+16.43	
317	8.5	20 21.59	85.89	3	2.780	—20 49 10.1	85.89	3	16.41	
318	8.5	20 26.50	85.68	5	2.764	—21 49 39.0	85.74	5	16.41	
319	8.5	20 26.75	85.68	5	2.764	—21 49 56.1	85.74	5	16.41	
320	9	20 31.21	85.89	3	2.781	—20 45 06.6	85.91	2	16.41	
321	9	2 21 08.53	86.22	3	+2.769	—21 28 40.7	86.40	4	+16.37	O. A.
322	6.5	21 14.47	85.90	3	2.782	—20 33 51.1	85.90	3	16.37	Lal., O. A., Bonn VI., Tac.
323	8	23 21.96	85.88	4	2.783	—20 18 47.9	85.88	4	16.26	Lal., Bonn VI.
324	8	23 29.82	86.35	2	2.801	—19 08 00.9	86.35	2	16.25	O. A.
325	8.5	23 37.07	85.90	3	2.779	—20 30 02.5	86.14	4	16.25	
326	8.7	2 23 38.30	86.42	2	+2.760	—21 42 39.8	86.58	3	+16.24	O. A.
327	9	23 45.20	85.92	3	2.754	—22 05 09.8	85.92	3	16.24	
328	8	23 46.18	85.91	4	2.790	—19 47 59.7	85.91	4	16.24	O. A.
329	7	23 59.64	85.65	4	2.762	—21 33 03.2	85.65	4	16.23	O. A., Rüm.
330	8.5	24 41.25	85.89	4	2.764	—21 21 46.5	85.89	4	16.19	O. A.
331	9	2 24 45.52	85.90	3	+2.763	—21 24 03.1	86.16	4	+16.18	O. A.
332	9.5	27 01.78	86.29	3	2.749	—22 00 18.8	86.45	4	16.07	
333	9.5	27 16.89	86.38	2	2.770	—20 40 44.0	86.38	2	16.05	
334	6.7	28 21.77	85.90	3	2.771	—20 30 19.8	86.14	4	16.00	Lal., Bonn VI., Tac., Arm. 2.
335	9	28 27.90	85.90	4	2.777	—20 07 09.7	85.90	4	16.00	
336	8.5	2 28 45.94	86.24	3	+2.770	—20 30 34.1	86.24	3	+15.98	
337	7	30 43.76	85.59	3	2.744	—21 54 22.5	85.92	4	15.87	Lal., O. A.
338	8	31 01.67	85.59	3	2.744	—21 51 52.5	85.92	4	15.86	Lal., O. A., Tac.
339	9.5	31 05.47	86.60	3	2.769	—20 18 28.8	86.73	5	15.85	O. A.
340	9	31 14.50	86.42	2	2.769	—20 19 14.8	86.72	5	15.84	O. A.
341	9	2 31 22.41	86.24	3	+2.757	—21 01 16.3	86.24	3	+15.83	
342	8	31 30.56	85.89	4	2.753	—21 16 11.8	85.89	4	15.83	Lal., Bonn VI.
343	7.2	31 32.45	85.90	3	2.763	—20 37 20.2	85.90	3	15.83	O. A.
344	8.5	32 02.98	85.90	3	2.754	—21 09 49.5	85.90	3	15.80	Rüm.
345	9.2	32 49.95	86.56	3	2.760	—20 41 08.3	86.56	3	15.76	
346	6.7	2 33 16.61	85.89	3	+2.755	—20 57 08.6	85.89	3	+15.73	Lal., O. A., Tac.
347	8	33 20.31	85.65	4	2.745	—21 32 08.7	85.65	4	15.73	O. A.
348	8	33 46.58	85.89	4	2.747	—21 22 56.0	85.89	4	15.70	O. A. Note.
349	8	33 59.46	85.89	3	2.758	—20 40 04.7	86.14	4	15.69	Lal., O. A. Note.
350	9	34 21.54	86.22	3	2.777	—19 29 02.9	86.22	3	15.68	O. A.

Number.....	Magnitudes.	Mean R. A. 1885 o	Epoch.....	No. of Obs..	Ann. Prec...	Mean Declination. 1885.o	Epoch.....	No. of Obs..	Ann. Prec..	Authorities.
		H. M. S.			s.	° ′ ″			″	
351	7.5	2 34 23.63	85.88	4	+2.754	—20 55 04.8	86.22	6	+15.67	Lal., O. A. Proper motion.
352	8	35 16.59	86.35	2	2.780	—19 14 39.6	86.35	2	15.62	
353	8.5	35 23.78	85.92	3	2.732	—22 04 02.0	85.92	3	15.62	O. A.
354	8.5	35 43.51	86.35	2	2.782	—19 05 41.1	86.35	2	15.60	
355	9.5	36 18.22	86.44	2	2.765	—20 04 08.3	86.60	3	15.57	O. A. Note.
356	8.5	2 36 27.55	85.59	3	+2.737	—21 39 57.5	85.59	3	+15.56	
357	9	36 37.14	86.23	3	2.754	—20 41 26.7	86.23	3	15.55	
358	8.2	37 14.55	85.92	3	2.731	—21 57 21.7	85 92	3	15.51	Lal., O. A.
359	8.5	37 21.71	85.90	4	2.747	—21 01 43.1	85.90	4	15.51	O. A.
360	7.2	37 40.51	85.88	4	2.750	—20 46 45.0	85.88	4	15.49	Lal., Bonn VI.
361	8.7	2 37 48.49	85.91	4	+2.766	—19 50 30.2	85.91	4	+15.49	O. A.
362	9	37 50.00	86.57	3	2.771	—19 32 06.2	86.65	4	15.49	O. A.
363	9	38 51.68	86.24	3	2.744	—21 00 41.1	86.24	3	15.43	
364	7	40 02.68	85.89	4	2.744	—20 53 16.4	85.89	4	15.36	Lal., Bonn VI.
365	8.5	40 32.75	85.89	4	2.735	—21 21 13.2	86.09	5	15.33	O. A.
366	8.5	2 41 10.16	85.96	3	+2.768	—19 22 43.4	86.20	4	+15.30	O. A.
367	7.5	41 12.40	86.29	3	2.720	—22 08 45.8	86.29	3	15.30	Lal., O. A., Tac.
368	7	41 31.54	86.18	4	2.720	—22 07 24.5	86.18	4	15.28	Lal., O. A.
369	9	41 32.11	86.23	3	2.730	—21 33 49.8	86.23	3	15.28	
370	9	42 48.20	86.44	2	2.758	—19 50 59.2	86.44	2	15.21	
371	8.5	2 42 55.39	85.90	3	+2.747	—20 26 58.7	85 90	3	+15.20	
372	8.5	42 56.03	86.28	3	2.769	—19 09 48.2	86.28	3	15.20	
373	7.2	43 23.93	85.89	4	2.732	—21 18 01.5	85.89	4	15.17	Lal., O. A., Tac., Arm. 2.
374	8.5	43 35.98	85.96	3	2.762	—19 30 19 1	85.96	4	15.16	O. A.
375	8.2	44 29.24	85.89	3	2.740	—20 43 23.2	86.15	4	15.11	Lal., O. A.
376	8.8	2 44 30.83	86.29	3	+2.714	—22 11 50 3	86.29	3	+15.10	
377	7.5	44 31.98	86.14	4	2.740	—20 43 26.6	86.14	4	15.10	Lal., O. A.
378	9	44 59.83	86.17	4	2.752	—19 57 32.0	86.32	5	15.08	Note.
379	8.5	45 16.20	86.41	4	2.741	—20 36 08.8	86.56	3	15.07	O. A.
380	9	45 21.01	86.39	2	2.733	—21 02 44.1	86.57	3	15.06	O. A.
381	9	2 45 44.90	86.14	4	+2.756	—19 42 13.4	86.14	4	+15.03	
382	8.2	46 33.41	85.93	3	2.718	—21 45 47.5	86.18	4	14.99	O. A.
383	8	46 40.76	86.49	2	2.769	—18 50 01.7	86 49	2	14.98	O. A.
384	9	47 13.29	86.40	2	2.737	—20 39 02.0	86.57	3	14 95	
385	9	47 26.70	86.49	2	2.767	—18 55 04.1	86.49	2	14.94	O. A.
386	8.5	2 47 32.28	85.30	3	+2.717	—21 42 10.9	85.30	3	+14.93	O. A.
387	9	48 34.20	86.24	3	2.728	—21 00 05 5	86.24	3	14.87	
388	9	49 08.24	86.20	3	2.734	—20 35 12.9	86.20	3	14 84	O. A.
389	8	49 14.11	85.68	4	2.720	—21 23 33 5	85.68	4	14.83	
390	8	49 31.39	85.30	3	2.714	—21 39 38.1	85.71	4	14.81	Lal., O. A.
391	8.7	2 49 40.03	85.90	2	+2.719	—21 25 30.0	85.90	2	+14.81	O. A., Bonn VI.
392	9	50 21.45	86.25	3	2.750	—19 36 13 4	86.25	3	14.77	O. A.
393	7.5	50 27.54	85.88	3	2.739	—20 13 22.6	85 88	3	14.76	Lal., Bonn VI. Note.
394	9	50 27.93	86.29	3	2.709	—21 53 28.4	86.29	3	14.76	
395	9.5	50 52.86	86.44	2	2.737	—20 18 23.1	86.60	3	14.73	
396	9	2 51 07.11	86.28	3	+2.757	—19 10 03 5	86.46	4	+14.71	O. A.
397	7.5	51 57.75	85.30	3	2.710	—21 42 43.2	85 30	3	14.67	O. A.
398	9	52 20.76	85.89	3	2 744	—19 46 13 0	85.89	3	14.65	O. A., Bonn VI.
399	9	54 12.91	86.57	3	2.715	—21 11 22.1	86.39	2	14 53	O. A.
400	8.2	54 14.06	85.88	3	2.714	—21 14 46.9	85.88	3	14.53	Lal , O. A., Tac.

Number.....	Magnitudes.	Mean R. A. 1885.0	Epoch.....	No. of Obs..	Ann. Prec...	Mean Declination. 1885.0	Epoch.....	No. of Obs..	Ann. Prec...	Authorities.
		H. M. S.			s.	° ′ ″			″	
401	8	2 54 58.80	85.68	4	+2.713	−21 15 34.7	85.68	4	+14.49	Lal., O. A.
402	7.5	55 36.25	85.89	3	2.714	−21 09 02.0	85 89	3	14.45	Lal., O. A., Green.
403	9	55 40.88	86.60	3	2.711	−21 18 05 3	86.60	3	14.44	O. A.
404	8	56 38.58	85.90	4	2.737	−19 48 10.9	85.90	4	14.39	O. A.
405	9.5	57 03.24	86.38	2	2.726	−20 21 34.3	86.38	2	14.36	
406	9	2 57 03.47	85.97	2	+2.692	−22 12 20.8	86.29	3	+14.36	
407	8	57 45.78	85.97	2	2.689	−22 17 50.5	86.29	3	14.32	Lal., Bonn VI.
408	8	57 50.33	86.49	2	2.751	−18 57 28 0	86.49	2	14.31	O. A.
409	9	58 03.04	86.11	5	2 730	−20 03 06.3	86.11	5	14.30	
410	8.5	58 08.52	86.14	4	2.719	−20 40 20.9	86.14	4	14.30	O. A., Green.
411	9.5	2 58 22.65	86.60	3	+2.730	−20 02 04.2	86.60	3	+14.28	[Note. Proper motion.
412	7.5	58 35.29	85.30	3	2.696	−21 48 39.7	85.30	3	14.27	Lal., Bonn VI., Tac., Green.
413	8.5	58 52.37	86.24	3	2.708	−21 10 04.2	86.24	3	14.25	O. A., Green.
414	9	59 14.08	86.57	3	2.711	21 00 04.4	86.39	2	14.22	O. A.
415	8.5	59 25.40	85.93	3	2.694	−21 51 24.7	86.18	4	14.21	Lal., Bonn VI., Tac., Green.
416	7.5	2 59 58.02	85.93	4	+2.737	−19 31 34.5	85.93	4	+14.18	Lal., O. A.
417	8.5	3 00 17.54	86.21	3	2.698	−21 33 48.5	86.21	3	14.17	O. A.
418	9	00 48.15	85.92	3	2.732	−19 43 57.8	85.92	3	14.14	O. A.
419	8.2	01 32.38	86.28	3	2.741	−19 13 14.5	86.28	3	14.08	Lal., O. A., Tac.
420	8.2	02 05.74	85.89	3	2.704	−21 05 27.4	85.89	3	14.05	Lal., O. A.
421	7.5	3 02 55.29	85.91	4	+2.729	−19 44 37.4	85.91	4	+14.00	Lal., O. A.
422	8.5	03 04.56	85.89	3	2.707	−20 51 28.8	85.89	3	13.99	Lal., Bonn VI.
423	9	03 08.45	85.43	2	2.693	−21 37 33 6	85.43	2	13.99	O. A.
424	7	03 39.65	85.96	3	2.734	−19 24 33.4	85.96	3	13.95	Lal., Bonn VI.
425	9	03 52.58	86.49	2	2.735	−19 19 13 4	86.49	2	13.94	
426	9	3 04 00.28	85.97	2	+2.678	−22 16 35.6	86.29	3	+13.93	O. A.
427	8.5	04 20.88	86.31	3	2.732	−19 28 07.9	86.48	4	13.91	O. A.
428	8	04 24.65	85.90	3	2.713	−20 27 01.5	86.14	4	13.91	O. A.
429	7.5	04 35.47	85.90	4	2.723	−19 53 43.7	85.90	4	13.89	Lal., O. A., Bonn VI. Note.
430	9	05 05.87	85.89	3	2.702	−20 59 29.9	85.89	3	13.86	O. A.
431	8.7	3 05 09.62	85.97	2	2.680	−22 07 57.0	86.29	3	+13.86	O. A.
432	9	05 20.81	85.97	2	2 678	−22 11 03.7	86.29	3	13.85	O. A.
433	7.7	05 29.21	85.90	3	2.710	−20 32 53.1	85.90	3	13.84	Lal., O. A.
434	9	05 56.28	86.38	2	2.684	−21 50 01.6	86.66	4	13.81	
435	8.2	06 51.16	85.68	4	2.694	−21 13 32.4	85.68	4	13.75	Lal., O. A., Tac.
436	7	3 07 05.14	85.89	3	+2.697	−21 03 08.8	85.89	3	+13.74	Lal., O. A.
437	8.7	07 40.20	86.49	2	2.739	−18 52 13.0	86.49	2	13.70	
438	7	07 47.39	85.93	7	2.708	−20 27 39.6	85.93	7	13.69	Lal., O. A., Arm. 2.
439	8.5	08 23.67	85.96	2	2.733	−19 08 07.2	85.96	2	13.66	O. A.
440	8.5	09 40.52	85.97	2	2.671	−22 10 37.3	86.29	3	13.57	O. A.
441	9	3 10 33.98	86.45	2	+2.717	−19 46 18.2	86.45	2	+13.51	Bonn VI.
442	8	10 51.93	86.09	6	2.717	−19 46 49.4	86.09	6	13.49	Lal., O. A., Bonn VI.
443	9	12 03.60	86.24	3	2.689	−21 06 15.6	86.24	3	13.42	
444	9	12 56.02	85.96	3	2.720	−19 29 16.6	86.20	4	13.36	O. A.
445	6.5	13 26.16	85.96	2	2.729	−18 58 38.5	85.96	2	13.33	Lal., O. A., Bonn VI., Yar.
446	7.2	3 14 33.09	85.96	3	+2.722	−19 15 41.8	86.20	4	+13.25	Lal., O. A.
447	9	14 51.49	86.26	3	2.689	−20 53 48.3	86.44	4	13.23	
448	9	15 16.49	86.29	3	2.703	−20 07 55.5	86.29	3	13.20	O. A.
449	9	15 49.21	86.57	3	2.685	−21 01 59.9	86 57	3	13.17	
450	7	16 32.14	85.95	4	2.690	−20 44 16 5	85.95	4	13.12	Lal., O. A.

Number.....	Magnitudes.	Mean R. A. 1885.0	Epoch.....	No. of Obs.	Ann. Prec...	Mean Declination. 1885.0	Epoch.....	No. of Obs.	Ann. Prec...	Authorities.
		H. M. S.			s.	° ′ ″			″	
451	9.2	3 16 40.84	86.45	2	+2.708	—19 48 30.6	86.61	3	+13.11	
452	8.5	16 50.03	85.98	3	2.695	—20 27 34.4	85.98	3	13.10	O. A.
453	7.5	17 09.00	85.45	6	2.673	—21 30 42.2	85.45	6	13.08	Lal., O. A., Bonn VI.
454	8.5	17 32.75	85.96	3	2.713	—19 30 38.3	85.96	3	13.05	Lal., O. A., Tac.
455	9	17 38.39	86.24	3	2.672	—21 29 57.8	86.24	3	13.05	O. A.
456	7.2	3 19 00.48	85.54	5	+2.674	—21 20 22.3	85.54	5	+12.96	Lal., O. A., Bonn VI., Yar.
457	8	19 08.25	86.49	2	2.723	—18 52 51.0	86.49	2	12.95	Lal., Bonn VI., Yar.
458	9	19 17.73	86.29	3	2.658	—22 04 22.4	86.29	3	12.93	O. A.
459	9.5	19 32.40	86.50	2	2.686	—20 42 43.5	86.66	3	12.92	O. A.
460	8	20 05.27	85.45	6	2.669	—21 28 48.6	85.45	6	12.88	Lal., O. A., Tac.
461	8	3 20 51.57	86.49	2	+2.722	—18 50 40.0	86.49	2	+12.83	Lal., O. A., Bonn VI.
462	9	21 03.10	86.31	3	2.713	—19 17 36.5	86.31	3	12.81	Lal., Bonn VI.
463	9	21 08.39	86.43	2	2.674	—21 10 46.0	86.43	2	12.81	
464	9	21 59.46	85.96	2	2.715	—19 05 46.1	85.96	2	12.75	Lal., O. A. [motion.
465	8	22 38.45	85.97	3	2.692	—20 12 54.0	85.97	3	12.72	Lal., Bonn VI., Tac. Proper
466	8.5	3 22 57.53	85.97	3	+2.693	—20 09 06.7	85.97	3	+12.70	
467	8.7	23 27.07	86.28	3	2.714	—19 03 00.3	86.28	3	12.66	O. A.
468	8.2	24 11.55	85.23	4	2.657	—21 46 06.4	85.23	4	12.61	Lal., O. A., Bonn VI.
469	7	24 15.38	85.97	3	2.695	—19 57 08.2	85.97	3	12.60	Lal., Bonn VI., Arm. 2.
470	8.7	24 33.18	85.23	4	2.656	—21 48 59.6	85.23	4	12.58	Lal., O. A.
471	7.5	3 25 29.78	85.94	4	+2.696	—19 49 44.4	85.94	4	+12.52	Lal., O. A., Bonn VI.
472	7.5	25 36.90	86.49	2	2.715	—18 51 31.5	86.49	2	12.51	Lal., Bonn VI., Tac.
473	8.7	26 35.46	86.49	2	2.714	—18 52 31.8	86.49	2	12.45	
474	8.5	26 38.35	85.94	3	2 697	—19 42 25.9	86.18	4	12.44	Lal., O. A.
475	8.5	26 47.09	85.95	4	2.675	—20 45 25.6	85.95	4	12.43	
476	9	3 26 59.40	86.45	4	+2.656	—21 38 19.7	86.45	4	+12.42	O. A.
477	9	27 45.39	86.29	3	2.697	—19 38 42.6	86.29	3	12.37	O. A.
478	9	27 52.50	85.90	2	2.665	—21 10 12.0	85.90	2	12.36	O. A.
479	9	28 25.03	85.96	3	2.700	—19 27 10.2	85.96	3	12.32	O. A.
480	9	28 33.28	85.98	3	2.679	—20 27 34.4	86.23	4	12.31	O. A. Note.
481	8.2	3 28 50.65	85.94	3	+2.672	—20 45 21 6	85.94	3	+12.28	O. A., Bonn VI.
482	9	30 39.65	86.18	5	2.677	—20 24 14.3	86.18	5	12.16	O. A.
483	8.2	30 47.14	85.98	3	2.674	—20 32 05.2	85 98	3	12.15	O. A.
484	7.5	31 01.16	86.49	2	2.707	—18 55 44.7	86.49	2	12.14	Bonn VI., Yar.
485	7.5	31 15.53	85.94	4	2.690	—19 45 29.0	85.94	4	12.12	Lal., Bonn VI., Tac.
486	9	3 32 05.01	86.00	2	+2.637	—22 10 10.9	86.00	2	+12.06	O. A.
487	9	32 21.03	86.43	2	2.656	—21 16 36.9	86.24	3	12.04	O. A.
488	9	32 38.43	86.26	3	2.665	—20 50 47.2	86.26	3	12.02	O. A.
489	8.5	33 20.92	86.43	2	2.658	—21 07 35.5	86.43	2	11.98	O. A.
490	7.8	33 42.26	85.98	3	2.669	—20 35 34 3	85.98	3	11.95	Lal., O. A.
491	8.5	3 34 17.29	85.94	3	+2.660	—20 57 49.2	85.94	3	+11.91	Bonn VI., O. A.
492	7.5	34 20.25	86.20	4	2.694	—19 22 23.4	86.20	4	11.90	Lal., Bonn VI.
493	9	34 33.34	85.90	2	2.654	—21 13 12.8	85 90	2	11.89	O. A., Rüm.
494	7.2	35 04.05	85.97	4	2.681	—19 57 55.5	85.97	4	11.85	Lal., O. A.
495	9.2	35 24.53	86.00	2	2.642	—21 45 02.0	86.00	2	11.83	O. A.
496	7	3 35 30.89	85.94	4	+2.683	—19 50 43.5	85.94	4	+11.82	Lal., O. A.
497	9	36 04.20	86.26	3	2.684	—19 45 42.5	86.26	3	11.78	
498	7	36 14.19	85.97	4	2.679	—19 57 15 8	85.97	4	11.77	Lal., O. A., Arm. 2.
499	9	36 30.92	85.99	2	2.662	—20 44 16.7	85.99	2	11.75	
500	8.5	36 58.26	85.36	5	2.643	—21 36 18.3	85.36	5	11.71	Lal., O. A.

Number.....	Magnitudes.	Mean R. A. 1885.0	Epoch.....	No. of Obs..	Ann. Prec...	Mean Declination. 1885.0	Epoch.....	No. of Obs..	Ann. Prec...	Authorities.
		H. M. S.			s.	° ′ ″			″	
501	8.7	3 37 01.72	86.28	3	+2.691	−19 22 07.7	86.46	4	+11.71	O. A.
502	8.5	37 30.40	86.49	2	2.694	−19 10 58.7	86.49	2	11.68	O. A.
503	9	37 34.27	86.34	5	2.657	−20 54 47.0	86.34	5	11.68	
504	7.5	37 34.28	85.96	2	2.696	−19 04 41.8	85.96	2	11.68	Lal., O. A., Bonn VI., Tac.
505	8	37 35.87	86.04	2	2.626	−22 20 52.2	86.04	2	11.67	Lal., Bonn VI., Tac.
506	7	3 38 43.77	86.20	4	+2.686	−19 28 47.6	86.20	4	+11.59	[motion. Lal., O. A., Arm. 2. Proper
507	9	38 52.95	86.00	2	2.625	−22 18 04.8	86.34	3	11.58	Lal., O. A., Yar.
508	8.5	39 17.52	85.44	4	2.643	−21 28 09.2	85.44	4	11.55	
509	8.5	39 53.00	85.96	3	2.685	−19 29 43.5	85.96	3	11.51	O. A.
510	8.5	39 54.12	85.23	4	2.631	−21 56 45.6	85.23	4	11.51	
511	7.5	3 40 14.91	85.95	4	+2.654	−20 53 04.5	85.95	4	+11.48	Lal., Bonn VI.
512	8.7	40 24.58	86.23	4	2.660	−20 36 42.3	86.23	4	11.47	Lal., Bonn VI.
513	9	40 37.65	86 26	3	2.687	−19 19 52.1	86.26	3	11.46	O. A.
514	9	40 51.90	85.85	2	2.643	−21 20 30.4	85.85	2	11.44	O. A.
515	9	41 16.32	86.57	3	2.646	−21 11 03.7	86.57	3	11.41	O. A.
516	9	3 41 58.77	85.96	3	+2.682	−19 30 26.4	86.20	4	+11.36	O. A.
517	9.2	42 56.05	86.61	3	2.670	−20 01 04.5	86.45	2	11.29	
518	8	43 06.24	85.31	3	2.627	−21 55 48.4	85.31	3	11.28	
519	9	43 18.65	86.49	2	2.653	−20 46 04.4	86.66	3	11.26	O. A.
520	9.2	43 23.86	86.71	4	2.650	−20 54 18.1	86.71	4	11.26	O. A.
521	6.5	3 43 31.91	85.68	4	+2 642	−21 15 21.8	85.68	4	+11.25	Lal., O. A., Tac., Yar., Wash. 73, 74.
522	9	43 45.52	86.00	2	2.633	−21 39 11.4	86.00	2	11.24	
523	9	44 16.87	86.39	2	2.642	−21 13 37.7	86.39	2	11.19	O. A.
524	9	44 18.57	86.47	2	2.662	−20 17 17.3	86.64	3	11.19	O. A.
525	8.5	44 40.35	85.95	4	2.651	−20 46 39.1	85.95	4	11.17	O. A.
526	7.2	3 45 04.73	86 28	3	+2.687	−19 05 42.0	86.28	3	+11.13	Lal., Bonn VI., Yar.
527	9	45 08.37	85.93	3	2.664	−20 08 36.8	85 97	3	11.13	
528	9	46 03.38	86.28	3	2.683	−19 15 28.8	86.28	3	11.07	Lal., Bonn VI.
529	6.7	46 28.43	85.37	5	2 630	−21 37 28.8	85.37	5	11.03	
530	9	47 24.95	86.39	2	2.631	−21 30 57.1	86.39	2	10.96	
531	8.5	3 47 27.83	85.98	3	+2.655	−20 28 12.7	85.98	3	+10.96	O. A.
532	9	47 34.60	85.90	2	2.639	−21 10 07.8	85.92	2	10.95	
533	6.2	48 03.12	86 49	2	2.691	−18 46 35.9	86.49	2	10.91	Lal., Bonn VI.
534	9	48 08.96	86.29	3	2.672	−19 37 42.7	86.29	3	10.91	
535	9	48 27.39	85.93	3	2.633	−21 21 20.4	85.93	3	10.89	
536	9	3 49 25.97	85.94	3	+2.669	−19 43 32.3	85.94	3	+10.81	
537	8.3	49 31.37	85 95	4	2.645	−20 48 00.7	85.95	4	10.81	O. A.
538	8.5	49 35.65	86.27	3	2.640	−21 01 21.2	86 27	3	10.80	O. A., Yar.
539	8.5	49 39 99	85.97	3	2.659	−20 09 02.7	85.97	3	10.80	Lal., O. A.
540	8.5	49 43.56	85.94	3	2.644	−20 49 37.4	85.94	3	10.79	O. A.
541	8.7	3 49 48.21	86.30	3	+2.655	−20 18 06.3	86.30	3	+10.79	Lal., O. A.
542	8.5	50 20.69	85 31	3	2.619	−21 54 35.2	85.31	3	10.75	Lal., Bonn VI.
543	8.5	50 37.61	85.05	3	2.618	−21 56 01.1	85.05	3	10.73	O. A.
544	7.5	50 39.43	85.94	4	2.666	−19 46 14.4	85.94	4	10.73	Lal., O. A.
545	9.5	51 08.53	86.61	3	2.663	−19 54 52.9	86.61	3	10.69	O. A.
546	8	3 51 53.42	86.49	2	+2.685	−18 53 12.8	86.49	2	−10.64	Lal., Bonn VI., Rüm., Yar.
547	8.7	52 38.80	85 98	3	2.645	−20 36 13 2	85.98	3	10.58	O. A.
548	9	52 57.31	86.45	2	2.664	−19 45 43.9	86.45	2	10.56	O. A. Note.
549	7.5	54 21.32	85.97	4	2.642	−20 39 35 3	85.97	4	10.45	Lal., O. A., Tac.
550	7.5	54 53.32	85.96	4	2.666	−19 34 20.2	85.96	4	10.41	Lal., O. A.

Number.....	Magnitudes.	Mean R. A. 1885.0	Epoch.....	No. of Obs.	Ann. Prec...	Mean Declination. 1885.0	Epoch.....	No. of Obs.	Ann. Prec...	Authorities.
		H. M. s.			s.	° ′ ″			″	
551	8.5	3 55 49.18	86.32	3	+2.641	−20 39 33.3	86.32	3	+10.34	Lal., O. A.
552	8	55 51.89	85.94	3	2.632	−21 02 14.2	85.94	3	10.34	Lal., O. A.
553	8.5	55 57.07	85.31	3	2.614	−21 49 06.8	85.31	3	10.33	
554	8	56 48.49	85.95	4	2.636	−20 47 49.7	85.95	4	10.27	Lal., O. A.
555	7.5	56 53.48	85.54	5	2.624	−21 20 32.3	85.54	5	10.27	Lal., O. A., Yar.
556	7.7	3 57 24.75	85.94	4	+2.658	−19 49 04.1	85.94	4	+10.22	O. A., Bonn VI.
557	8	57 43.12	86.19	4	2.630	−21 02 32.8	86.19	4	10.20	Lal., O. A.
558	8	57 50.71	85.95	4	2.634	−20 49 32.7	86.15	5	10.19	Lal., O. A.
559	8.2	58 05.45	86.28	3	2.634	−20 49 27.0	86.28	3	10.17	O. A.
560	7.8	58 15.18	85.25	4	2.613	−21 44 12.1	85.25	4	10.16	Lal., Bonn VI.
561	6.7	3 58 20.78	85.98	4	+2.642	−20 27 44.4	85.98	4	+10.15	Lal., Bonn VI.
562	7.5	58 32.64	85.98	4	2.642	−20 28 34.1	85.98	4	10.14	Lal., Bonn VI.
563	8.2	58 45.28	86.23	4	2.640	−20 32 17.5	86.23	4	10.13	Lal., O. A., Bonn VI.
564	8	58 47.03	85.95	3	2.606	−21 59 07.4	85.95	3	10.12	Lal., Bonn VI., Tac.
565	7.5	59 12.26	85.94	3	2.657	−19 47 05.8	85.94	3	10.09	O. A.
566	6.8	3 59 37.47	85.97	3	+2.635	−20 41 48.6	85.97	3	+10.06	Lal., O. A.
567	9	59 56.86	86.39	2	2.625	−21 08 40.8	86.39	2	10.03	O. A.
568	8	4 00 09.86	85.25	4	2.610	−21 45 57.3	85.25	4	10.01	Lal., Bonn VI., Tac.
569	7	00 44.10	85.95	4	2.631	−20 49 28.2	85.95	4	9.97	Lal., O. A., Yar., Arm. 2.
570	7.8	01 10.89	85.94	4	2.654	−19 49 23.8	85.94	4	9.94	Lal., Bonn VI.
571	8.2	4 01 43.84	85.25	4	+2.603	−21 58 43.0	85.25	4	+ 9.90	O. A.
572	9	01 47.52	85.94	3	2.658	−19 36 18.1	85.94	3	9.89	O. A.
573	7	01 59.63	86.04	2	2.595	−22 18 11.9	86.04	2	9.87	Lal., O. A.
574	9	03 15.59	86.45	2	2.654	−19 43 05.4	86.45	2	9.78	O. A.
575	8.5	03 20.31	85.54	5	2.614	−21 26 04.1	85.54	5	9.77	Lal., Bonn VI.
576	8.5	4 03 22.21	85.94	3	+2.629	−20 47 57.7	85.94	3	+ 9.77	Lal., Bonn VI.
577	8.5	03 38.83	85.97	3	2.639	−20 22 07.9	85.97	3	9.75	Lal., Bonn VI. Note.
578	9	03 46.91	86.42	2	2.604	−21 49 56.6	86.42	2	9.74	O. A.
579	8.5	03 49.45	86.20	4	2.660	−19 26 11.6	86.20	4	9.74	O. A.
580	8.2	04 02.90	85.98	3	2.633	−20 34 53.6	85.98	3	9.72	Lal., Bonn VI.
581	8.5	4 04 07.98	85.94	3	+2.623	−21 00 26.1	86.18	4	+ 9.71	Lal., Bonn VI.
582	9	04 16.34	86.50	2	2.630	−20 43 12.1	86.50	2	9.70	
583	7	04 46.89	85.96	4	2.655	−19 35 21.4	85.96	4	9.66	O. A.
584	7.2	04 52.53	85.96	3	2.662	−19 18 13.8	85.96	3	9.66	Lal., Bonn VI., Arm. 2.
585	8	04 54.27	86.49	2	2.669	−19 00 45.5	86.49	2	9.65	
586	8.5	4 05 40.19	85.96	3	+2.659	−19 23 37.4	85.96	3	+ 9.59	O. A.
587	9	06 01.10	86.48	2	2.637	−20 21 05.7	86.48	2	9.57	O. A.
588	9	06 31.45	85.99	2	2.629	−20 38 26.6	85.99	2	9.53	Lal., O. A.
589	6.5	06 33.33	85.97	4	2.629	−20 39 22.2	86.17	5	9.53	Lal., O. A.
590	9	06 44.20	85.46	2	2.604	−21 42 50.5	85.46	2	9.51	Lal., Bonn VI.
591	9	4 07 02.71	86.45	2	+2.650	−19 43 49.1	86.45	2	+ 9.49	O. A.
592	8.5	07 43.64	86.45	2	2.638	−20 12 49.8	86.45	2	9.44	O. A.
593	9	07 52.56	86.42	2	2.604	−21 39 48.8	86.42	2	9.43	O. A.
594	8.7	07 56.61	85.97	2	2.639	−20 08 56.7	86.29	3	9.42	O. A.
595	9	08 58.93	86.45	2	2.643	−19 56 33.9	86.45	2	9.34	
596	9.5	4 09 24.38	86.27	3	+2.615	−21 06 50.2	86 39	2	+ 9.31	
597	9	09 25.18	85.94	3	2.617	−21 00 55.8	86.19	4	9.31	
598	9	10 08.58	86.48	2	2.634	−20 16 42.2	86.48	2	9.25	
599	7	10 40.17	86.49	2	2.665	−18 55 41.8	86.49	2	9.21	Lal., O. A.
600	8.5	11 29.63	86.19	4	2.616	−20 59 52.5	86.19	4	9.14	Lal., Bonn VI.

Number.....	Magnitudes.	Mean R. A 1885 o	Epoch.....	No. of Obs..	Ann. Prec...	Mean Declination. 1885.o	Epoch.....	No. of Obs.	Ann. Prec...	Authorities.
		H. M. S.			s.	o ′ ″			″	
601	9	4 11 30.18	86.44	2	+2.642	—19 53 25.8	86.44	2	+9.14	O. A.
602	9	12 10.89	86.29	3	2.644	—19 44 48.0	86.29	3	9.09	O. A.
603	8	12 17.05	85.94	4	2.643	—19 48 27.8	85.94	4	9.08	Lal., O. A.
604	8.2	12 38.94	85.45	2	2.602	—21 32 02.5	85.45	2	9.05	
605	9	12 45.01	86.61	3	2.635	—20 09 58.4	86.61	3	9.05	
606	8.7	4 13 14.46	86.20	4	+2.649	—19 30 53.1	86.20	4	+9.01	O. A., Bonn VI.
607	6.7	13 15.30	85.94	3	2.614	—20 59 49.2	86.19	4	9.01	Lal., Bonn VI.
608	9	13 37.81	86.47	2	2.623	—20 36 26.7	86.47	2	8.98	
609	8	15 26.77	85.33	3	2.597	—21 36 37.5	85.33	3	8.83	Lal., O. A.
610	7	15 46.20	85.96	4	2.644	—19 36 37.6	85.96	4	8.81	Lal., Bonn VI.
611	9	4 15 53.43	86.29	3	+2.637	—19 54 27.1	86.29	3	+8.80	O. A.
612	8.7	15 55.59	86.20	4	2.646	—19 31 07.7	86.20	4	8.80	Lal., Bonn VI.
613	9	15 56.23	86.61	3	2.633	—20 05 36.9	86.61	3	8.80	O. A.
614	7.5	16 06.73	85.61	3	2.598	—21 31 20.0	85.61	3	8.78	Lal., O. A.
615	8.5	16 14.51	85.98	3	2.624	—20 27 30.0	85.98	3	8.77	
616	9	4 16 27.63	86.49	2	+2.606	—21 11 32.6	86.49	2	+8.75	O. A.
617	7.5	16 49.39	85.97	3	2.585	—22 02 37.2	85.97	3	8.73	O. A.
618	9	16 50.55	86.49	2	2.656	—19 05 11.0	86.49	2	8.72	
619	7.5	17 04.16	85.94	4	2.637	—19 53 48.4	85.94	4	8.71	Lal., O. A.
620	8	17 09.76	86.18	4	2.641	—19 41 27.1	86.18	4	8.70	Lal., O. A., Bonn VI.
621	9	4 17 23.96	86.51	2	+2.654	—19 08 19.5	86.48	2	+8.68	
622	8	17 44.71	85.98	3	2.621	- 20 30 50.3	85.98	3	8.65	
623	8	18 35.07	85.98	3	2.620	—20 32 27.9	85.98	3	8.60	Lal., Bonn VI., Yar.
624	8	18 36.49	86.18	4	2.639	—19 44 25.6	86.18	4	8.59	Lal., O. A.
625	9	18 59.47	86.31	3	2.612	—20 51 21.5	86.48	4	8.55	
626	8.2	4 19 05.41	85.98	4	+2.623	—20 22 55.6	86.18	5	+8.55	Lal., Bonn VI. Proper motion.
627	8.5	19 44.88	86.04	2	2.580	—22 08 19.0	86.04	2	8.50	Lal., O. A.
628	8.5	20 02.70	85.61	3	2.596	—21 28 29.8	85.61	3	8.47	Rüm.
629	8.7	20 32.45	85.98	5	2.601	—21 13 44.2	85.98	5	8.43	
630	9.5	21 00.49	86.45	2	2.636	—19 46 16.6	86 45	2	8.40	
631	9	4 21 10.71	85.97	2	+2.632	—19 55 06.7	85.97	2	+8.38	O. A.
632	9	21 26.73	86.02	3	2.600	—21 13 21.0	86.02	3	8.36	
633	7	21 46.86	86.49	2	2.656	—18 54 56.8	86.49	2	8.33	Lal., Bonn VI.
634	8.7	22 23.02	86.00	3	2.614	—20 37 55.2	86.32	3	8.28	O. A.
635	8.5	22 38.20	85.96	4	2.638	—19 36 50.6	85.96	4	8.27	Lal., Bonn VI.
636	7	4 22 57.97	85.33	3	+2.586	—21 45 32.3	85.33	3	+8.24	Lal., O. A.
637	6.2	23 35.40	85.94	4	2.635	—19 42 34.9	85.94	4	8.19	Lal., Bonn VI. Note.
638	9	24 22.76	86.50	2	2.610	—20 43 13.0	86.50	2	8.12	
639	9	24 23.65	86.42	2	2.586	—21 41 00.1	86.61	3	8.12	Lal., O. A.
640	9	24 56.79	86.53	2	2.603	—20 59 46.7	86.70	3	8.08	
641	9	4 25 34.63	86.53	2	2.599	—21 08 42.0	86.53	2	+8.03	
642	8	25 50.14	85.33	3	2.587	—21 37 25.0	85.33	3	8.01	O. A., Bonn VI.
643	8.2	25 52.20	85.77	4	2.600	—21 04 48.5	85.77	4	8.01	O. A.
644	9	26 10.12	85.97	2	2.633	—19 43 22.1	85.97	2	7.98	O. A.
645	8.5	26 57.03	86.44	2	2.589	—21 28 32.5	86.44	2	7.92	O. A.
646	7	4 27 00.31	85.77	4	+2.602	—20 56 42.8	85.77	4	+7.92	Lal., O. A.
647	9	27 13.24	86.49	2	2.649	—19 00 01.6	86.49	2	7.90	
648	9	27 50.17	86.45	2	2.628	—19 50 56.3	86.45	2	7.85	O. A.
649	8	28 04.75	85.96	4	2.634	—19 36 08.7	85.96	4	7.83	Lal., Bonn VI.
650	9	28 20.54	86.45	2	2.624	—20 00 16.4	86.61	3	7.81	O. A.

Number.....	Magnitudes.	Mean R. A. 1885.0	Epoch.....	No. of Obs..	Ann. Prec...	Mean Declination. 1885.0	Epoch.....	No. of Obs..	Ann. Prec...	Authorities.
		H. M. S.			s.	° ′ ″			″	
651	9	4 28 30.10	86.93	2	+2.625	−19 58 37.4	86.93	2	+7.79	
652	8.5	28 51.25	86.20	4	2.638	−19 25 09.2	86.20	4	7.77	Lal., Bonn VI.
653	9	29 43.72	86.33	3	2.637	−19 26 28.3	86.33	3	7.70	
654	6.5	29 58.53	85.97	4	2.619	−20 09 43.8	85.97	4	7.67	Lal., O. A.
655	8	30 05.23	85.77	4	2.599	−20 58 58.6	85.77	4	7.67	Lal., Bonn VI.
656	9	4 30 22.05	86.48	2	+2.615	−20 17 53.3	86.65	3	+7.65	O. A., Bonn VI.
657	8.5	30 23.10	86.33	3	2.598	−20 59 59.8	86.33	3	7.64	Lal., Bonn VI.
658	8	30 47.73	85.45	2	2.583	−21 34 32.4	85.98	3	7.61	Lal., Bonn VI.
659	8.5	30 49.15	85.97	3	2.616	−20 15 07.4	86.22	4	7.61	O. A., Bonn VI.
660	8.2	30 52.61	85.98	3	2.612	−20 24 35.5	85.98	4	7.60	O. A.
661	8	4 31 19.60	85.45	2	+2.583	−21 33 15.7	85.45	2	+7.57	Lal., Bonn VI.
662	9	31 56.93	86.48	2	2.613	−20 20 05.4	86.48	2	7.52	O. A., Bonn VI.
663	9	32 32.93	86.50	2	2.610	−20 25 41.3	86.50	2	7.47	O. A.
664	7.5	33 00.34	85.77	4	2.598	−20 55 11.4	85.77	4	7.43	Lal., O. A.
665	9	33 13.22	86.70	3	2.594	−21 04 14.0	86.70	3	7.41	O. A.
666	9	4 33 25.62	86.49	2	+2.643	−19 03 56.5	86.66	3	+7.40	
667	7.2	33 26.98	85.95	4	2.623	−19 52 12.2	85.95	4	7.39	Lal., Bonn VI.
668	9	33 50.70	86.66	3	2.641	−19 06 56.0	86.49	2	7.36	
669	9.2	33 52.84	86.61	3	2.623	−19 51 17.7	86.44	2	7.36	
670	9	34 01.28	85.97	2	2.621	−19 57 14.8	85.97	2	7.35	
671	9	4 34 18.01	86.49	2	+2.635	−19 22 19.3	86.49	2	+7.33	
672	7.5	34 39.74	85.33	3	2.582	−21 28 31.2	85.48	4	7.30	Lal., O. A.
673	9	35 21.45	86.24	4	2.601	−20 43 14.4	86.24	4	7.24	O. A.
674	8.2	37 34.12	85.53	4	2.587	−21 11 33.1	85.53	4	7.06	Lal., Bonn VI.
675	9	38 39.24	86.53	2	2.591	−21 00 43.6	86.53	2	6.97	
676	9	4 38 41.51	86.53	2	+2.593	−20 56 41.5	86.53	2	+6.97	O. A.
677	7.8	38 47.90	85.99	4	2.602	−20 34 05.0	85.99	4	6.96	Lal., O. A.
678	9	38 47.98	86.31	3	2.574	−21 39 32.4	86.31	3	6.96	
679	6	39 03.34	86.49	2	2.643	−18 52 49.2	86.49	2	6.94	Lal., O. A.
680	8.8	39 05.85	85.62	3	2.583	−21 19 17.9	85.62	3	6.94	Lal., Bonn VI.
681	9	4 39 21.98	86.49	2	+2.640	−19 01 54.1	86.49	2	+6.91	O. A., Bonn VI.
682	8.5	39 28.66	85.95	2	2.638	−19 06 34.0	85.95	2	6.90	Lal., O. A.
683	8.5	39 45.76	85.97	3	2.610	−20 13 44.3	85.97	3	6·88	O. A.
684	8	39 56.10	85.98	3	2.603	−20 29 14.8	85.98	3	6.86	Lal., O. A.
685	8.8	41 16.71	85.66	3	2.572	−21 40 20.9	85.66	3	6.76	Lal., Bonn VI.
686	8	4 42 00.41	85.79	5	+2.578	−21 25 12.0	85.79	5	+6.69	Lal., O. A.
687	8.5	42 42.40	86.32	3	2.598	−20 35 55.0	86.32	3	6.63	
688	9	42 46.76	86.40	2	2.609	−20 09 04.0	86.61	3	6.63	
689	8.5	42 48.86	86.22	5	2.588	−21 00 52.7	86.22	5	6.63	Lal., O. A.
690	8	43 18.53	86.01	3	2.614	−19 56 02.4	86.01	3	6.58	
691	8.5	4 43 18.92	86.39	3	+2.585	−21 07 01.5	86.39	3	+6.58	Lal., O. A.
692	7.5	43 22.78	86.00	4	2.611	−20 03 23.0	86.17	5	6.58	O. A.
693	8.5	43 37.25	86.00	3	2.597	−20 37 50.9	86.24	4	6.56	O. A.
694	8.2	44 15.96	85.54	2	2.559	−22 05 34.7	85.54	2	6.51	O. A.
695	9	44 23.88	86.30	3	2.610	−20 05 33.6	86.40	2	6.50	O. A.
696	9	4 45 28.79	86.52	2	+2.630	−19 15 20.8	86.52	2	+6.41	Lal., O. A.
697	9.5	46 26.04	86.40	3	2.577	−21 19 54.1	86.40	3	6.33	O. A.
698	9	47 08.19	86.04	2	2.620	−19 35 24.4	86.04	2	6.27	
699	9.2	47 09.25	86.04	2	2.619	−19 38 15.3	86.04	2	6.27	
700	9	48 09.40	86.32	3	2.598	−20 27 50.2	86.32	3	6.19	O. A.

Number	Magnitudes.	Mean R. A. 1885.0	Epoch.....	No. of Obs.	Ann. Prec...	Mean Declination. 1885.0	Epoch.....	No. of Obs..	Ann. Prec..	Authorities.
		H. M. S.			s.	° ′ ″			″	
701	7.5	4 48 14.76	85.77	4	+2.585	−20 57 46.4	85.77	4	+6.17	Lal., O. A.,
702	8.8	48 39.84	86.05	5	2.565	−21 43 36.1	86.05	5	6.14	O. A., Bonn VI.
703	9	48 43.89	86.32	3	2.597	−20 28 30.9	86.32	3	6.14	
704	8.5	49 49.98	85.99	4	2.594	−20 34 32.4	86.19	5	6.04	Lal.
705	9.2	49 57.57	86.06	2	2.574	−21 21 19.7	86.06	3	6.03	
706	9.2	4 50 35.65	86.40	2	+2.610	−19 55 58.5	86.40	2	+5.98	
707	9	51 20.23	86.30	3	2.602	−20 14 04.3	86.30	3	5.92	
708	9.2	51 30.40	86.40	2	2.606	−20 03 06.5	86.40	2	5.90	
709	9	51 43.05	85.99	2	2.591	−20 39 12.4	86.32	3	5.88	O. A.
710	9.5	51 43.44	86.41	3	2.623	−19 23 20.5	86.41	3	5.88	
711	8.5	4 52 04.89	86.04	2	+2.550	−22 13 07.7	86.04	2	+5.86	O. A.
712	9	53 05.86	85.97	3	2.597	−20 21 48.5	85.97	3	5.77	O. A.
713	7.5	53 11.25	86.04	2	2.550	−22 11 49.8	86.04	2	5.76	Lal., O. A.
714	9	53 47.16	86.24	4	2.588	−20 43 20.2	86.24	4	5.71	
715	9	54 12.47	86.67	3	2.585	−20 49 33.2	86.67	3	5.68	
716	9.2	4 54 23.13	86.08	2	+2.573	−21 16 06.7	86.08	2	+5.66	
717	9	54 37.29	86.57	2	2.626	−19 11 22.2	86.57	2	5.64	
718	8	54 42.01	86.55	2	2.635	−18 49 48.0	86.55	2	5.64	Lal., O. A.
719	9	54 52.41	86.55	2	2.631	−18 59 50.4	86.55	2	5.62	O. A.
720	8.2	55 19.06	86.04	4	2.610	−19 48 32.8	86.04	4	5.58	Lal., Bonn VI.
721	9	4 55 20.69	86.53	2	+2.578	−21 03 06.8	86.53	2	+5.55	
722	9	56 01.48	86.02	2	2.581	−20 55 15.2	86.02	2	5.53	
723	8.5	56 35.94	85.71	3	2.557	−21 50 09.9	85.71	3	5.48	Lal., Bonn VI.
724	8	56 53.70	86.04	4	2.609	−19 49 49.0	86.04	4	5.45	Lal., O. A.
725	8.8	57 34.29	85.77	4	2.567	−21 24 53.3	85.77	4	5.39	
726	8.2	4 57 48.66	85.82	5	+2.571	−21 15 40.7	85.79	4	+5.38	Bonn VI.
727	9.5	58 11.28	86.55	2	2.622	−19 17 05.5	86.55	2	5.34	
728	9	58 21.73	86.10	2	2.612	−19 39 51.2	86.10	2	5.33	Lal., O. A.
729	9	58 37.35	86.50	2	2.587	−20 38 15.1	86.50	2	5.31	
730	8.5	59 27.02	85.84	5	2.569	−21 17 51.9	85.82	4	5.24	Lal., Bonn VI.
731	9	4 59 27.12	86.55	2	+2.627	−19 01 51.0	86.55	2	+5.24	O. A.
732	9	59 29.87	86.10	2	2.608	−19 47 20.8	86.10	2	5.23	O. A.
733	8.5	59 35.55	86.00	4	2.590	−20 28 59.2	86.00	4	5.22	Lal., O. A.
734	7.8	59 46.41	85.82	5	2.567	−21 22 49.2	85.79	4	5.21	Lal., O. A., Bonn VI.
735	7.5	59 51.20	85.99	5	2.592	−20 24 27.5	85.99	5	5.20	Lal., O. A.
736	8	5 00 22.13	85.72	3	+2.565	−21 25 01.3	85.72	3	+5.16	Lal., O. A.
737	9	00 39.75	86.06	3	2.561	−21 34 40.2	86.06	3	5.13	O. A.
738	8.7	01 01.23	86.06	2	2.568	−21 18 35.0	86.39	3	5.11	
739	8.2	01 12.60	86.02	2	2.575	−21 02 33.2	86.36	3	5.09	
740	8.5	01 37.10	86.00	4	2.582	−20 45 13.3	86.00	4	5.05	O. A.
741	8.2	5 02 01.20	85.98	4	+2.594	−20 16 04.2	85.98	4	+5.02	Lal., O. A.
742	6.8	02 09.42	86.08	3	2.613	−19 33 15.9	86.08	3	5.01	Lal., Bonn VI. Proper motion.
743	8.5	02 35.01	86.40	3	2.622	−19 11 15.6	86.40	3	4.97	
744	8.7	03 13.11	85.67	5	2.559	−21 37 10.7	85.67	5	4.92	Lal., Bonn VI. Proper motion.
745	8.7	04 12.19	86.00	3	2.591	−20 22 24.7	86.00	3	4.84	O. A.
746	8.5	5 05 25.42	86.02	3	+2.550	−21 55 11.3	86.02	3	+4.73	O. A.
747	9	05 29.36	85.99	3	2.593	−20 14 13.7	85.99	3	4.73	O. A.
748	8	05 30.34	86.55	2	2.630	−18 48 24.7	86.55	2	4.72	O. A.
749	7.5	05 47.27	85.77	4	2.576	−20 53 31.6	85.77	4	4.70	
750	9	06 06.40	86.32	4	2.617	−19 18 06.4	86.32	4	4.67	O. A.

Number.....	Magnitudes.	Mean R. A. 1885.0	Epoch.....	No. of Obs.	Ann. Prec...	Mean Declination. 1885.0	Epoch.....	No. of Obs.	Ann. Prec...	Authorities.
		H. M. S.			s.	° ′ ″			″	
751	8.5	5 06 31.72	86.04	2	+2.539	−22 18 47.0	86.04	2	+4.64	O. A.
752	9	07 36.85	86.08	3	2.611	−19 30 31.4	86.08	3	4.55	
753	8.7	07 56.35	85.79	4	2.579	−20 43 03.7	85.79	4	4.52	
754	9	07 58.65	85.99	3	2.591	−20 16 11.5	85.99	3	4.51	
755	8.5	08 30.68	86.00	4	2.581	−20 39 56.9	86.00	4	4.47	O. A.
756	8	5 09 10.74	85.73	3	+2.551	−21 47 06.3	85.81	4	+4.41	Lal., Bonn VI.
757	8.5	09 11.71	86.00	4	2.589	−20 19 10.0	86.00	4	4.41	
758	8	10 22.89	86.40	3	2.618	−19 11 24.5	86.40	3	4.31	Lal., O. A.
759	8.5	10 42.57	85.76	4	2.562	−21 19 35.8	85.79	4	4.28	
760	8	11 35.59	85.68	3	2.565	−21 13 41.9	85.72	3	4.20	Lal., Bonn VI.
761	9	5 11 49.56	86.50	2	+2.573	−20 53 36.1	86.50	2	+4.19	
762	7.5	12 00.43	86.06	2	2.533	−22 23 51.8	86.06	2	4.17	Lal., Bonn VI.
763	9	12 19.92	85.71	3	2.571	−20 57 41.6	86.24	5	4.14	O. A.
764	8	12 35.24	86.55	2	2.627	−18 47 09.4	86.55	2	4.12	
765	8.5	12 41.67	86.06	4	2.607	−19 35 35.5	86.06	4	4.11	Lal., O. A.
766	7.5	5 12 58.20	86.55	2	+2.628	−18 44 09.6	86.55	2	+4.08	
767	8	13 26.18	86.02	3	2.545	−21 56 53.9	86.02	3	4.05	Lal., Bonn VI.
768	8.7	13 30.56	85.77	4	2.570	−21 00 00.7	85.77	4	4.04	Lal., O. A.
769	9	14 04.48	86.26	3	2.596	−19 59 06.4	86.45	4	3.99	O. A.
770	8.5	14 08.69	86.04	2	2.540	−22 06 15.1	86.04	2	3.99	Lal., Bonn VI.
771	8.7	5 14 43.27	85.79	4	+2.575	−20 45 50.4	85.79	4	+3.94	Lal., Bonn VI.
772	9	15 04.83	86.28	3	2.590	−20 12 22.2	86.28	3	3.90	
773	9	15 29.80	86.41	3	2.607	−19 31 27.2	86.41	3	3.87	
774	5.5	15 32.29	85.83	5	2.559	−21 21 22.4	85.86	5	3.87	Lal., Bonn VI.
775	7.5	15 56.28	86.04	4	2.600	−19 48 13.4	86.19	5	3.83	O. A.
776	8	5 16 00.11	85.99	3	+2.564	−21 09 19.8	86.03	3	+3.83	Lal., Bonn VI.
777	8.5	16 09.65	86.06	3	2.547	−21 47 56.3	86.06	3	3.82	
778	8	17 36.86	86.22	4	2.594	−19 59 22.7	86.22	4	3.69	Lal., O. A.
779	8.5	17 37.79	86.66	3	2.595	−19 57 57.2	86.66	3	3.69	Lal., O. A.
780	9.2	17 38.82	86.54	2	2.590	−20 09 05.4	86.54	2	3.68	Yar.
781	9	5 18 03.32	86.50	2	+2.577	−20 39 31.3	86.68	3	+3.65	
782	9.5	18 24.74	86.94	2	2.591	−20 06 18.4	86.94	2	3 62	
783	9	18 27.23	85.60	2	2.559	−21 19 09.8	85.75	3	3.61	O. A.
784	9.2	18 54.27	86.03	3	2.569	−20 56 12.6	86.29	4	3.58	
785	7.8	18 56.52	85.71	6	2.572	−20 50 11.7	85.66	5	3.58	Lal., Bonn VI.
786	9	5 19 21.68	86.59	2	+2.561	−21 13 43.0	86.58	4	+3.54	O. A.
787	9	19 31.85	86.32	4	2.611	−19 19 16.5	86.32	4	3.52	O. A.
788	9.5	19 45.75	86.50	2	2.582	−20 25 30.2	86.50	2	3.50	
789	9.5	19 48.83	86.50	2	2.584	−20 21 31.0	86.50	2	3.50	
790	7	20 00.04	86.08	3	2.607	−19 28 40.8	86.08	3	3.48	Lal., O. A.
791	8.5	5 20 04.10	86.55	2	+2.624	−18 49 27.2	86.55	2	+3.48	Lal., O. A.
792	9	20 24.05	86.57	2	2.609	−19 23 12.0	86.73	3	3.45	O. A.
793	8.5	20 59.55	86.01	3	2.598	−19 47 24.3	86.27	4	3.40	Lal., O. A.
794	7	21 00.81	86.04	4	2.598	−19 47 45.4	86.19	5	3.40	Lal., O. A.
795	8.2	22 10.88	86.08	2	2.613	−19 11 34.0	86.08	2	3.29	Lal., Bonn VI.
796	8	5 22 41.40	85.74	3	+2.566	−21 00 42.6	85.82	4	+3.25	Lal., O. A.
797	7	22 42.42	86.02	3	2.553	−21 28 26.7	86.03	4	3.25	Lal., O. A.
798	8	23 07.71	86.59	4	2.567	−20 57 44.2	86.43	3	3.21	
799	8.5	23 13.90	86.32	3	2.579	−20 29 34.1	86.32	3	3.20	
800	9	23 21.96	86.22	4	2.592	−19 59 29.1	86.22	4	3.19	

Number.....	Magnitudes.	Mean R. A. 1885.0	Epoch.....	No. of Obs.	Ann. Prec...	Mean Declination. 1885.0	Epoch.....	No. of Obs.	Ann. Prec...	Authorities.
		H. M. S.			s.	° ′ ″			″	
801	8.8	5 23 26.57	86.59	2	+2.559	−21 13 54.5	86.58	4	+3.18	
802	8.5	24 02.67	86.40	3	2.612	−19 13 58.9	86.40	3	3.13	O. A.
803	8.2	24 36.37	85.31	5	2.562	−21 07 57.3	85.44	6	3.09	Lal., Bonn VI.
804	9	25 47.27	86.41	3	2.604	−19 30 39.9	86.41	3	2.98	
805	8.5	25 55.22	86.06	2	2.552	−21 29 47.5	86.06	3	2.97	
806	8.5	5 26 03.04	85.59	2	+2.547	−21 39 53.7	85.75	3	+2.96	
807	9	26 14.55	86.75	3	2.553	−21 26 18.3	86.41	3	2.94	
808	9	26 30.69	86.41	3	2.607	−19 22 47.1	86.41	3	2.92	O. A.
809	8	26 41.58	86.56	2	2.622	−18 48 08.7	86.56	2	2.91	Lal., O. A.
810	8.7	27 14.10	86.04	2	2.530	−22 18 38.4	86.04	2	2.86	Lal., O. A., Tac.
811	9	5 27 22.18	86.83	3	+2.583	−20 17 17.3	86.33	3	+2.85	
812	9	27 32.57	85.60	2	2.554	−21 22 58.2	85.75	3	2.83	
813	8.2	27 34.49	86.08	2	2.612	−19 11 18.4	86.08	2	2.83	Lal., O. A.
814	9	28 01.19	86.55	2	2.612	−19 09 53.0	86.55	2	2.79	O. A.
815	8.7	28 02.64	86.06	2	2.542	−21 50 03.5	86.04	2	2.79	
816	8.7	5 28 03.11	86.08	2	+2.561	−21 05 59.1	86.07	3	+2.79	Lal., O. A.
817	9	28 10.03	86.00	2	2.577	−20 30 10.4	86.00	2	2.78	O. A.
818	8	28 24.56	86.08	3	2.607	−19 22 28.4	86.08	3	2.76	Lal., Bonn VI.
819	8.5	28 49.62	86.08	3	2.603	−19 30 40.3	86.33	4	2.72	Lal., O. A.
820	8.5	28 59.76	86.09	3	2.557	−21 15 04.9	86.08	4	2.70	Lal., Bonn VI.
821	8.5	5 28 59.92	86.50	2	+2.571	−20 43 22.2	86.50	2	+2.70	
822	7	29 14.30	86.55	2	2.619	−18 53 27.2	86.55	2	2.68	Lal., O. A.
823	9	29 36.25	86.62	3	2.599	−19 39 55.8	86.73	4	2.65	
824	8	30 03.35	85.14	4	2.560	−21 08 42.1	85.32	5	2.61	Bonn VI.
825	8.7	30 04.47	86.55	2	2.609	−19 16 04.1	86.55	2	2.61	
826	8.2	5 30 49.74	86.02	4	+2.589	−20 01 14.4	86.02	4	+2.55	Lal., O. A.
827	8.5	31 51.34	86.06	3	2.597	−19 43 15.9	86.52	6	2.46	Lal., O. A. Note.
828	8.5	32 01.41	85.99	3	2.589	−19 59 54.6	85.99	3	2.44	Lal., O. A.
829	8.5	32 02.25	86.26	3	2.591	−19 55 47.7	86.46	4	2.44	Lal., O. A.
830	8	32 05.73	86.55	2	2.616	−18 58 40.6	86.55	2	2.43	
831	8	5 33 20.05	85.37	4	+2.571	−20 41 35.1	85.37	4	+2.33	Lal., O. A.
832	8	33 20.73	86.43	2	2.583	−20 14 33.1	86.43	2	2.33	Lal., O. A.
833	9	33 29.65	86.09	3	2.554	−21 18 50.7	86.09	3	2.32	
834	8	33 46.56	85.99	3	2.584	−20 10 50.4	85.99	3	2.29	Lal., O. A.
835	8.5	34 26.80	86.06	3	2.593	−19 51 12.4	86.42	5	2.23	O. A.
836	7	5 34 48.37	85.85	5	+2.576	−20 29 53.9	85.85	5	+2.20	Lal., Bonn VI.
837	8.7	34 49.09	86.10	2	2.576	−20 30 00.1	86.10	2	2.20	Lal., Bonn VI.
838	9	34 58.17	86.09	3	2.560	−21 05 50.8	86.09	3	2.18	
839	9	34 58.64	86.55	2	2.615	−18 58 21.6	86.55	2	2.18	
840	8	35 18.42	86.08	3	2.607	−19 17 00.0	86.32	4	2.15	O. A.
841	9.3	5 35 22.38	86.46	2	+2.596	−19 43 54.5	86.76	4	+2.15	O. A.
842	8	35 40.78	86.04	2	2.529	−22 13 06.6	86.04	2	2.12	
843	7	35 42.75	85.78	4	2.579	−20 21 32.1	85.78	4	2.12	Lal., Bonn VI.
844	8	35 46.50	85.82	4	2.554	−21 17 24.6	85.82	4	2.11	O. A.
845	8	36 06.88	85.72	3	2.546	−21 36 13.9	85.72	3	2.08	
846	8.8	5 36 59.81	86.08	2	+2.613	−19 02 25.2	86.40	3	+2.01	O. A.
847	8.2	37 37.92	85.99	3	2.583	−20 12 36.0	85.99	3	1.95	Lal., O. A.
848	9	37 59.67	86.09	3	2.559	−21 05 17.6	86.34	4	1.92	
849	8.5	38 23.71	85.45	3	2.569	−20 43 06.3	85.83	4	1.89	
850	8.5	38 23.85	86.32	3	2.582	−20 14 32.2	86.00	2	1.89	Lal., O. A.

Number.....	Magnitudes.	Mean R. A. 1885.0	Epoch.....	No. of Obs.	Ann. Prec...	Mean Declination. 1885.0	Epoch.....	No. of Obs.	Ann. Prec...	Authorities.
		H. M. S.			s.	° ′ ″			″	
851	8.5	5 38 39.12	86.50	2	+2.576	—20 26 07.7	86.50	2	+1.86	O. A.
852	8	38 41.50	85.71	3	2.577	—20 24 28.9	85.71	3	1.86	Lal., O. A.
853	7.5	38 49.86	86.25	4	2.596	—19 42 18.2	86.34	3	1.85	Lal. Note.
854	7	38 53.30	85.68	5	2.548	—21 28 49.7	85.68	5	1.85	Lal., O. A.
855	7.5	38 57.54	85.49	5	2.552	—21 19 57.4	85.49	5	1.83	Lal., O. A. Note.
856	8	5 39 07.35	86.05	4	+2.598	—19 37 13.7	86.05	4	+1.82	Lal., Bonn VI.
857	6.8	39 31.40	85.99	3	2.583	—20 10 38.4	85.99	3	1.79	Lal., O. A.
858	9	39 31.82	86.66	3	2.599	—19 32 53.8	86.66	3	1.79	
859	9	39 54.25	86.55	2	2.612	—19 03 20.6	86.72	3	1.76	
860	7	39 58.10	86.07	4	2.542	—21 42 30.4	86.07	4	1.75	Lal., O. A.
861	8.2	5 40 01.38	86.00	2	+2.573	—20 32 09.4	86.00	2	+1.75	O. A.
862	8.3	40 24.89	85.99	3	2.584	—20 08 11.0	85.99	3	1.71	O. A.
863	9	40 46.29	86.57	2	2.605	—19 19 45.1	86.57	2	1.68	
864	9	41 03.74	85.67	2	2.602	—19 27 26.6	86.57	2	1.66	
865	8.2	41 37.73	86.00	2	2.574	—20 30 32.6	86.00	2	1.61	O. A.
866	8.5	5 41 44.63	85.32	5	+2.559	—21 03 56.7	85.32	5	+1.60	Lal., O. A.
867	9	41 50.35	86.55	2	2.537	—21 52 13.7	86.55	2	1.59	O. A.
868	8.3	42 19.73	86.07	4	2.545	—21 35 09.4	86.07	4	1.54	Lal., Bonn VI., Rüm.
869	9	42 53.38	85.44	3	2.556	—21 09 18.0	85.44	3	1.50	O. A., Rüm.
870	8.5	43 12.95	86.02	4	2.585	—20 03 50.2	86.02	4	1.47	Lal., O. A.
871	9	5 43 23.57	86.12	2	+2.612	—19 03 42.0	86.12	2	+1.45	
872	8	43 30.17	86.05	2	2.531	—22 05 35.6	86.05	2	1.44	
873	8.5	43 40.94	85.45	3	2.569	—20 40 17.0	85.45	3	1.43	O. A.
874	8.5	44 10.75	85.99	3	2.583	—20 08 12.2	85.99	3	1.38	O. A.
875	8.5	44 11.34	86.36	3	2.531	—22 05 44.3	86.36	3	1.38	
876	7.5	5 44 13.28	86.10	4	+2.602	—19 26 15.0	86.10	4	+1.38	Lal., O. A.
877	8.2	44 59.58	85.78	4	2.577	—20 22 40.1	85.78	4	1.31	Lal., O. A.
878	8.5	46 20.82	86.24	4	2.578	—20 19 34.8	86.24	4	1.19	O. A.
879	9	46 30.38	86.12	2	2.610	—19 06 51.2	86.12	2	1.18	O. A.
880	8.5	46 41.95	85.13	2	2.563	—20 51 59.9	85.43	3	1.16	Lal., O. A., Brux.
881	8.5	5 46 44.24	86.09	3	+2.542	—21 39 12.3	86.09	3	+1.16	
882	7.8	46 48.83	86.11	3	2.602	—19 25 05.2	86.10	4	1.15	O. A.
883	7.5	47 12.16	86 09	3	2.611	—19 05 00.4	86.09	3	1.12	Lal., O. A.
884	8.7	47 24.06	86 55	2	2.536	—21 53 20.2	86.55	2	1.10	
885	9	47 41.70	86.08	2	2.541	—21 41 28.5	86.08	2	1.08	O. A.
886	8.5	5 48 32.16	85.99	3	+2.582	—20 10 12.8	85.99	3	+1.00	O. A.
887	7	48 59.10	86.06	3	2.595	—19 39 43.5	86.25	4	0.96	Lal., O. A.
888	9.2	49 06.87	86.08	2	2.562	—20 54 27.6	86.08	2	0.95	O. A.
889	7.5	49 31.08	86 06	3	2.594	—19 43 35.6	86.25	4	0.91	Lal., O. A.
890	8.5	49 40.24	86.09	2	2.616	—18 52 51.8	86.09	2	0.90	O. A.
891	8.5	5 49 50.93	85.36	4	+2.552	—21 18 07.6	85.36	4	+0.89	O. A.
892	7.5	50 34.51	86.09	2	2.613	—18 58 44.5	86.09	2	0.82	Lal., O. A.
893	9	50 54.57	86.42	3	2.608	—19 10 41.8	86.42	3	0.79	
894	7.2	51 00.37	86.07	4	2.541	—21 42 16.4	86.07	4	0.79	Lal., Bonn VI.
895	7.5	51 16.46	85.45	6	2.556	—21 08 29.8	85.32	5	0.76	Lal., Bonn VI.
896	8.7	5 51 21.01	86.55	2	+2.525	—22 17 07.9	86.71	3	+0.76	
897	8	51 21.87	85.87	5	2.546	—21 30 36.1	85.87	5	0.76	Lal., Bonn VI.
898	8.7	51 27.91	86.04	3	2.585	—20 03 04.1	86.02	4	0.75	O. A.
899	9	51 59.58	86.55	2	2.568	—20 41 21.3	86.55	2	0.70	
900	9.3	52 05.38	86 42	3	2.606	—19 14 08.2	86.42	3	0.69	Lal., O. A.

Number.....	Magnitudes.	Mean R. A. 1885.0	Epoch	No. of Obs..	Ann. Prec...	Mean Declination. 1885.0	Epoch.....	No. of Obs..	Ann. Prec...	Authorities.
		H. M. S.			s.	° ′ ″			″	
901	9	5 52 27.86	85.38	4	+2.557	—21 04 28.2	85.38	4	+0 66	
902	8	52 45.18	86.11	3	2.602	—19 23 57.8	86 11	3	0.64	Lal., O. A.
903	8.5	52 46.07	86.55	2	2.571	—20 33 07.2	86.55	2	0.63	O. A.
904	8.8	53 08.59	86.41	3	2.546	—21 29 43.7	86.58	4	0.60	
905	8	53 31.44	85.99	3	2.581	—20 10 29.0	85.99	3	0 56	Lal., O. A.
906	7.7	5 53 41.87	85.81	4	+2.544	—21 33 22.8	85.81	4	+0.55	Lal., Bonn VI. Note.
907	9	53 51.86	86.42	3	2.610	—19 05 00.6	86.42	3	0.54	O. A.
908	8.5	54 12.34	85.99	3	2.577	—20 20 24.3	85.99	3	0.51	Lal., Bonn VI.
909	9.2	54 22.26	86.55	2	2.528	—22 09 56.5	86 71	3	0.49	O. A.
910	8.5	54 22.78	85.58	4	2.570	—20 35 03.4	85 58	4	0.49	O. A.
911	9	5 55 02.69	86.06	3	+2.590	—19 51 20.7	86.34	3	+0.43	O. A.
912	8.5	55 07.19	85.72	3	2.548	—21 25 12.7	85.72	3	0.43	
913	9	55 12.15	86.55	2	2.530	—22 05 45.2	86.55	2	0.42	O. A.
914	9.5	55 27.11	86.57	2	2.601	—19 24 41.7	86.57	2	0.40	
915	8.5	55 55.87	85.44	3	2.555	—21 09 09.4	85.44	3	0.36	O. A.
916	8	5 55 57.61	85.51	5	+2.559	—21 00 28.2	85.51	5	+0.36	O. A.
917	8.5	55 58.72	86.55	2	2.534	—21 56 45.2	86 55	2	0.35	Lal., O. A.
918	7.7	56 34.52	85.45	3	2.569	—20 38 49.3	85.45	3	0.30	Lal., O. A.
919	9	57 08.53	86.07	3	2.538	—21 48 14.9	86.07	3	0.25	O. A.
920	8	57 13.46	86.06	3	2.594	—19 41 30.2	86.25	4	0.24	Lal., Bonn VI.
921	8.5	5 57 17.78	86.04	3	+2.585	—20 01 19.0	86.24	4	+0.24	O. A.
922	9	57 42.33	86.67	3	2.597	—19 34 13 4	86.67	3	0.20	O. A., Bonn VI.
923	9	57 50.67	86.67	3	2.593	—19 43 08.0	86.67	3	0.19	O. A.
924	8	58 33.00	86.07	4	2.538	—21 47 07.7	86.07	4	0.13	O. A., Bonn VI.
925	9	58 34.55	86.39	3	2.541	—21 40 11.1	86 39	3	0.12	O. A.
926	9	5 59 11.70	85.58	4	+2.570	—20 37 01.2	85.87	5	+0.07	
927	8	59 20.61	86.41	3	2.612	—18 59 54.4	86.41	3	0.06	Lal., O. A.
928	9.2	59 30.11	86.58	2	2.605	—19 16 25.9	86.58	2	0.04	O. A.
929	9	59 33.31	86.06	3	2.593	—19 43 21.2	86.25	4	0.04	O. A.
930	9	59 45.13	85.13	3	2.562	—20 53 35.1	85.13	3	0.02	
931	8.2	5 59 50.26	86.10	4	+2.599	—19 29 03.4	86.10	4	+0.01	Lal., O. A.
932	9	6 00 02.05	86.39	3	2.541	—21 40 56.1	86.39	3	0.00	O. A.
933	8.7	00 29.10	86.00	2	2.578	—20 16 21.2	86.00	2	—0.04	O. A.
934	8.7	00 57.79	85.60	2	2.568	—20 39 25.2	85.60	2	0.08	
935	8.5	01 43.62	86.13	3	2.529	—22 08 04.9	86.13	3	0.15	O. A.
936	8.5	6 01 54.98	86.01	3	+2.588	—19 55 30.9	86.01	3	—0.17	Lal., Bonn VI.
937	8.7	02 02.08	86.09	3	2.610	—19 04 36.6	86.09	3	0.18	O. A.
938	8.5	02 22.23	85.85	4	2.545	—21 30 57.5	85.85	4	0.21	
939	8.7	02 29.92	85.37	4	2.554	—21 11 07.8	85.37	4	0.22	
940	8.7	02 46.29	86.55	2	2.563	—20 51 38.3	86.55	2	0.24	
941	8.5	6 03 07.81	86.04	4	+2.592	—19 45 26.3	86.04	4	—0.27	O. A.
942	8.5	03 09.92	86.10	4	2.601	—19 24 58 8	86.10	4	0.28	Lal., O. A. Note.
943	8.7	03 51.28	86.55	2	2.563	—20 51 18.6	86.55	2	0.34	
944	9	04 18.24	85.60	2	2.568	—20 39 46.2	85.60	2	0.38	O. A.
945	9.2	04 24.66	85.13	2	2.562	—20 54 06.5	85.13	2	0.38	
946	9.5	6 04 24.74	86.07	3	+2.540	—21 42 59.0	86.07	3	—0.38	
947	9	04 31.26	86.67	3	2.597	—19 34 31.9	86.67	3	0.40	O. A.
948	8	04 50.30	85.71	3	2.573	—20 29 01.3	85.71	3	0.43	Lal., O. A.
949	8	04 50.88	86.13	3	2.530	—22 06 00.6	86.13	3	0.43	Lal., O. A., Tac.
950	9	05 39.18	86.52	2	2.576	—20 22 01.3	86 52	2	0.50	O. A.

Number.....	Magnitudes.	Mean R. A. 1885.0	Epoch.....	No. of Obs.	Ann. Prec...	Mean Declination. 1885.0	Epoch.....	No. of Obs.	Ann. Prec...	Authorities.
		H. M. S.			S.	° ′ ″			″	
951	8.5	6 05 43.89	86.07	5	+2.537	—21 49 09.6	86.07	5	—0.50	
952	8.2	05 44.31	86.04	5	2.577	—20 19 42.5	86.04	5	0.50	Lal., O. A., Tac.
953	9	05 46.24	86.52	2	2.576	—20 21 53.2	86.52	2	0.51	O. A.
954	9	05 53.03	86.09	2	2.563	—20 50 58.3	86.09	2	0.51	O. A.
955	9	06 12.96	86.70	3	2.572	—20 31 07.6	86.52	2	0.54	O. A.
956	9.5	6 06 16.02	86.15	2	+2.544	—21 35 02.7	86.15	2	—0.55	
957	8.2	06 22.94	85.36	4	2.564	—20 49 56.0	85.36	4	0.56	O. A.
958	8.7	06 42.95	86.06	4	2.547	—21 26 44.5	86.08	5	0.59	O. A.
959	9	06 45.24	86.41	3	2.554	—21 12 48.8	86.58	4	0.59	O. A.
960	9	06 53.17	86.00	2	2.573	—20 28 30.8	86.35	3	0.60	O. A.
961	9	6 07 39.45	86.05	3	+2.547	—21 28 11.1	86.06	4	—0.67	O. A.
962	8.5	08 26.32	85.60	2	2.570	—20 37 07.2	85.60	2	0.74	O. A.
963	8.5	08 34.58	85.59	6	2.553	—21 14 08.8	85 59	6	0.75	O. A.
964	9	09 04.86	86.11	3	2.597	—19 34 35.5	86.11	3	0.79	Lal., O. A.
965	7.7	09 20.03	86.11	3	2.599	—19 29 36.3	86.11	3	0.82	Lal., O. A.
966	9	6 09 35.45	86.56	2	+2.578	—20 17 29.7	86.56	2	—0.84	
967	8.5	09 44.44	86.59	2	2.528	—22 11 10.4	86.76	3	0.85	Lal., O. A., Tac.
968	8.5	09 50.90	86.46	2	2.594	—19 41 14.5	86.67	3	0.86	O. A.
969	6.8	10 11.59	85.99	3	2.580	—20 14 14.5	85.99	3	0.89	Lal., Bonn VI.
970	9	10 18.69	85.36	4	2.557	—21 06 05 4	85.36	4	0.90	O. A.
971	9.2	6 10 27.77	85.78	3	+2.553	—21 14 24.2	85.87	4	—0.92	O. A.
972	8	10 35.98	86.11	3	2.601	—19 27 31.8	86.11	3	0.93	Lal., Bonn VI.
973	8.5	10 39.82	86.25	4	2 593	—19 45 58.5	86.25	4	0.93	O. A.
974	8	10 44.75	85.99	3	2.582	—20 09 52.0	85.99	3	0.94	O. A.
975	8.5	11 22.64	86.11	2	2.604	—19 18 41.6	86.11	2	1.00	Lal., Bonn VI.
976	8.5	6 11 38.59	85.99	3	+2.582	—20 10 00.1	85.99	3	—1.02	O. A.
977	8.5	11 42.71	85.45	3	2.571	—20 36 04.4	85.45	3	1.03	O. A.
978	8.7	12 35.93	86.42	3	2.600	—19 29 05.2	86.75	3	1.10	
979	7	12 44.27	86.11	2	2.609	—19 08 49.5	86.11	2	1.11	Lal., O. A., Bonn VI.
980	8.5	12 47.91	86.06	4	2.541	—21 42 52.8	86.06	4	1.12	O. A.
981	6	6 13 16.01	86.19	5	+2.589	—19 55 23.0	86.22	4	—1.16	Lal., O. A.
982	8.7	13 53.51	86.15	2	2.535	—21 55 32.8	86.15	2	1.21	O. A.
983	7	14 04.08	85.43	6	2.563	—20 52 47.2	85.43	6	1.23	Lal., O. A., Bonn VI.
984	8	14 06.39	85.81	3	2.533	—21 59 21.2	85.81	3	1.24	Lal., O. A.
985	9	14 28.18	86.11	3	2.601	—19 26 28.6	86.34	4	1.26	O. A.
986	7	6 14 47.25	85.86	4	+2.532	—22 03 19.2	85.86	4	—1.29	Lal., O. A., Bonn VI.
987	9	14 47.37	86.11	2	2.607	—19 13 54.6	86.11	2	1.29	
988	8.2	15 02.68	85.74	3	2.574	—20 28 56.2	85.74	3	1.32	O. A.
989	8.7	15 40.27	85.72	3	2.570	—20 37 39.6	85.72	3	1.37	O. A.
990	8.5	15 53.80	86.42	3	2.604	—19 20 08.4	86.42	3	1.39	O. A.
991	9	6 16 16.64	85.83	4	+2.554	—21 15 36.3	85.83	4	—1.42	
992	8.5	16 18.13	86.59	2	2.526	—22 17 27.2	86.76	3	1.43	Lal., O. A., Bonn VI., Tac.
993	8.8	16 23.06	86.35	3	2.576	—20 23 49.4	86.35	3	1.43	O. A.
994	9.2	16 35.41	86.08	3	2.548	—21 27 32.3	85.83	4	1.45	
995	8	16 39.53	86.04	4	2.593	—19 47 12.8	86.04	4	1.46	Lal., Bonn VI.
996	8.5	6 16 39.71	86.09	3	+2.567	—20 46 28.9	86.09	3	—1.46	O. A.
997	9	16 42.00	86.12	3	2.530	—22 09 15.9	86.37	4	1.46	Lal., O. A., Tac. Proper motion.
998	8.7	17 08.74	86.56	2	2.566	—20 47 26.1	86.56	2	1.50	O. A.
999	8.7	17 20.28	86.58	2	2.612	—19 02 31.6	86.58	2	1.51	O. A.
1000	9	17 26.65	86.59	2	2.529	—22 11 39.3	86.76	3	1.53	Lal., O. A., Tac.

Number.....	Magnitudes.	Mean R. A. 1885.0	Epoch.....	No. of Obs..	Ann. Prec...	Mean Declination. 1885.0	Epoch.....	No. of Obs..	Ann. Prec...	Authorities.
		H. M. S.			s.	° ′ ″			″	
1001	9.2	6 17 55.50	86.46	2	+2.593	—19 46 17.9	86.67	3	—1.57	
1002	7	18 29.95	86.58	2	2.615	—18 56 20.9	86.58	2	1.62	Lal., O. A.
1003	9	18 33.67	85.71	3	2.556	—21 10 22 2	85.71	3	1.62	O. A.
1004	8.5	18 36.17	85.59	4	2.564	—20 52 58.7	85 59	4	1.63	
1005	8	18 38.70	86.02	4	2.584	—20 07 08.5	86.02	4	1.63	Lal., Bonn VI. Note.
1006	7	6 18 49.25	86.06	3	+2.595	—19 43 33.0	86 25	4	—1.64	Lal., Bonn VI.
1007	8.5	18 57.36	85.76	3	2.546	—21 32 38.1	85.76	3	1.66	
1008	9	18 57.71	86.55	2	2.576	—20 24 51.7	86.73	3	1.66	O. A.
1009	8.5	19 11.81	86.40	2	2 589	—19 56 52.6	86.40	2	1.68	
1010	8.2	19 52.54	85.58	4	2.572	—20 35 08.5	85.58	4	1.74	Lal., Bonn VI.
1011	8.5	6 19 54.06	86.30	3	+2.597	—19 39 20.6	86.30	3	—1.74	O. A.
1012	8.2	20 11.14	85.85	4	2.537	—21 53 47.0	85.85	4	1.76	Lal., O. A.
1013	8.2	20 35.09	86.01	3	2.590	—19 55 43.4	86 22	4	1.80	O. A.
1014	7.5	20 50.77	85.37	4	2.564	—20 54 28.3	85.37	4	1.82	Lal., Bonn VI.
1015	8.8	20 55.28	86.10	4	2.551	—21 24 02.6	86.10	4	1.83	O. A.
1016	8.3	6 21 07.40	86.05	4	+2.549	—21 28 36.1	86.05	4	—1.85	O. A.
1017	7.5	21 26.23	86.02	4	2.585	—20 06 28.8	86.02	4	1.88	Lal., O. A., Tac.
1018	7.2	21 27.83	86.42	3	2.607	—19 15 29.9	86.42	3	1.88	Lal., O. A.
1019	8.5	22 03.52	86.27	3	2.584	—20 09 04.3	86.27	3	1.93	O. A.
1020	8	22 15.28	86.05	4	2.549	—21 29 01.2	86.05	4	1.94	O. A.
1021	7.5	6 22 15.71	86.26	4	2.579	—20 21 02.4	86.26	4	—1.94	Lal., O. A., Bonn VI.
1022	9	22 32.01	85.16	2	2.565	—20 51 41.5	85.79	3	1.97	
1023	8	22 36.60	86.11	3	2.604	—19 23 01.0	86.11	3	1.97	Lal., O. A.
1024	7.5	22 37.05	85.94	5	2.533	—22 03 19.9	85.94	5	1.97	Lal., Bonn VI., Tac.
1025	8.5	22 39.82	86.36	3	2.578	—20 22 31.3	86.56	2	1.98	O. A.
1026	8.5	6 22 44.32	86.73	3	+2.581	—20 18 10.5	86.73	3	—1.99	O. A.
1027	8.5	22 57.78	86.58	2	2.614	—19 01 38 4	86.58	2	2.01	O. A.
1028	8	23 10.32	85.85	4	2 542	—21 43 37.2	85.85	4	2.03	Lal., Bonn VI., Tac.
1029	8	23 17.23	86.06	3	2.596	—19 43 27.0	86.25	4	2.03	O. A.
1030	7.5	23 20.90	85.85	4	2.537	—21 55 58.9	85.85	4	2.04	Lal., O. A.
1031	8	6 23 42.15	86.27	3	2.585	—20 07 28.0	86.27	3	—2 07	O. A.
1032	9.2	23 42.52	86.67	3	2 598	—19 37 04.6	86.67	3	2.07	O. A.
1033	8.5	23 54.42	86.53	2	2.589	—19 58 15.4	86 34	3	2 09	O. A.
1034	9	24 46.03	86.46	3	2.545	—21 39 01.3	86.46	3	2.16	O. A.
1035	8	24 55.92	85.99	3	2.585	—20 09 15.4	85.99	3	2.18	Lal., O. A.
1036	8.7	6 25 04.05	86.04	3	+2.551	—21 26 18.8	86.04	3	—2.19	O. A.
1037	6.5	25 11.51	86.11	2	2.611	—19 08 15.4	86.11	2	2.20	Lal , Bonn VI.
1038	7.7	25 47.96	86.60	2	2 529	—22 14 38.5	86.13	3	2.25	Lal., O. A., Tac.
1039	7.7	26 25.41	85.58	4	2.575	—20 32 51.0	85.58	4	2.30	Lal., O. A.
1040	8.7	26 34.52	86.55	2	2.572	—20 39 12.2	86.55	2	2.32	O. A.
1041	9	6 26 35.10	86.11	2	+2.611	—19 08 58.9	86 11	2	—2.32	
1042	7	26 35.80	85.68	5	2 554	—21 19 32.7	85.68	5	2.32	Lal., O. A.
1043	8.7	26 36.83	86.13	3	2.537	—21 57 24 8	85.90	4	2.32	O. A.
1044	8.5	26 43.49	85.44	3	2 563	—20 59 02 6	85 85	4	2.33	O. A.
1045	8.5	27 25.14	86.22	4	2.590	—19 57 58.1	86.22	4	2.39	
1046	9	6 27 31.26	86.39	3	+2.556	—21 14 49 5	86.39	3	—2.40	O. A.
1047	7.7	27 37.53	85.37	4	2.565	—20 56 14.8	85.37	4	2.41	Lal., O. A., Bonn VI., Tac.
1048	8	27 48.13	86.01	3	2 591	—19 56 09.6	86.22	4	2.43	O. A., Bonn VI.
1049	7	28 31.50	85.50	5	2.568	—20 50 10.5	85.50	5	2.49	Lal., O. A.
1050	7.5	28 36.16	86.02	4	2.588	—20 03 08.8	86.02	4	2.50	Lal., O. A.

Number.....	Magnitudes.	Mean R. A. 1885.0	Epoch	No. of Obs..	Ann. Prec...	Mean Declination. 1885.0	Epoch.....	No. of Obs..	Ann. Prec...	Authorities.
		H. M. S.			s.	° ′ ″			″	
1051	8.7	6 28 41.13	86.43	3	+2.566	—20 54 28.5	86.60	4	—2.50	O. A.
1052	8	29 13.45	86.07	4	2.551	—21 26 52.4	86.07	4	2.55	O. A.
1053	9.2	29 43.29	86.58	2	2.613	—19 07 42.5	86.58	2	2.59	
1054	8	29 47.98	86.01	3	2.594	—19 51 46.1	86.22	4	2.60	Lal., Bonn VI.
1055	7.5	29 49.54	85.71	3	2.578	—20 28 02.4	85.71	3	2.60	Bonn VI.
1056	8	6 29 51.94	86.11	3	+2.601	—19 33 25.4	86.11	3	—2.61	Lal., Bonn VI.
1057	8.5	30 07.65	86.06	3	2.540	—21 54 20.3	86.06	3	2.63	
1058	9	30 13.10	86.55	2	2.555	—21 19 12.3	86.55	2	2.64	O. A.
1059	8	30 18.93	85.99	3	2.582	—20 18 02.1	85.99	3	2.65	O. A.
1060	7	30 39.06	86.13	3	2.537	—22 01 00.0	85.90	4	2.68	
1061	8	6 31 20.94	86.11	3	+2.606	—19 23 54.1	86.11	3	—2.73	Lal., Bonn VI.
1062	9	31 23.13	86.55	2	2.559	—21 11 37.0	86.55	2	2.74	O. A.
1063	9	31 59.70	86.51	2	2.556	—21 18 06.8	86.70	3	2.79	O. A., Bonn VI.
1064	8.5	32 04.52	86.59	2	2.533	—22 10 15.8	86.12	3	2.80	Lal., O. A.
1065	8.2	32 27.98	86.06	3	2.599	—19 41 48.6	86.25	4	2.83	Lal., Bonn VI.
1066	8.7	6 32 37.28	86.07	3	+2.541	—21 51 28.2	86.07	3	—2.84	O. A.
1067	9	32 42.64	86.78	3	2.611	—19 12 45.6	86.78	3	2.85	
1068	9	32 57.44	86.07	3	2.546	—21 40 32.4	85.85	4	2.87	O. A.
1069	9.2	33 33.63	86.52	2	2.549	—21 36 00.9	86.70	3	2.92	O. A.
1070	8.5	34 36.07	86.07	3	2.547	—21 40 56.6	85.85	4	3.02	O. A.
1071	9	6 34 58.61	86.44	3	+2.616	—19 03 54.7	86.44	3	—3.05	O. A.
1072	8.5	35 14.40	86.62	2	2.618	—18 59 29.1	86.62	2	3.07	O. A.
1073	8.7	35 30.77	85.16	2	2.567	20 57 08.5	85.16	2	3.10	O. A.
1074	8	35 31.01	85.68	5	2.558	—21 17 03.9	85.68	5	3.10	Lal., O. A., Tac.
1075	9	35 31.95	86.40	2	2.592	—19 58 05.0	86.40	2	3.10	
1076	8.8	6 36 28.07	85.45	3	+2.573	—20 44 22.8	85.85	4	—3.18	
1077	8.5	36 29.09	86.12	2	2.536	—22 06 19.2	86.12	2	3.18	Lal., O. A.
1078	7.5	36 32.84	85.99	3	2.586	—20 12 28.5	85.99	3	3.18	O. A.
1079	9	36 34.32	86.52	2	2.549	—21 38 07.8	86.52	2	3.19	
1080	7.5	36 36.02	86.12	2	2.539	—21 59 47.5	85.81	3	3.19	Lal., O. A.
1081	7.5	6 36 59.56	86.02	4	+2.598	—20 08 15.9	86.02	4	—3.22	O. A.
1082	8.7	37 19.73	86.10	2	2.601	—19 40 20.7	86.10	2	3.25	O. A.
1083	8.5	37 20.84	86.62	2	2.618	—18 59 22.5	86.62	2	3.25	
1084	9	37 47.94	86.79	3	2.612	—19 14 36.6	86.79	3	3.29	O. A.
1085	8.5	38 04.85	86.02	4	2.591	—20 02 26.0	86.02	4	3.32	O. A.
1086	8.8	6 38 06.77	86.44	3	+2.609	—19 21 41.5	86.61	4	—3.32	O. A.
1087	8.5	38 12.50	86.35	3	2.584	—20 19 52.5	86.35	3	3.33	O. A.
1088	8	38 14.15	86.62	2	2.617	—19 02 12.0	86.62	2	3.33	O. A.
1089	7.5	38 21.41	86.07	3	2.546	—21 44 55.1	85.85	4	3.34	O. A., Bonn VI.
1090	8	38 26.10	86.06	4	2.550	—21 37 09.3	86.06	4	3.35	O. A.
1091	8	6 39 31.62	85.11	3	+2.605	—19 32 34.0	85.11	3	—3.44	
1092	9.5	39 34.37	86.12	2	2.562	—21 10 17.6	86.12	2	3.45	
1093	9.5	39 40.83	87.08	2	2.563	—21 09 32.8	87.08	2	3.45	
1094	8.2	39 45.79	85.99	3	2.584	—20 20 02.7	85.99	3	3.46	O. A.
1095	8.5	40 44.37	86.14	2	2.577	—20 34 25.4	86.14	2	3.55	
1096	8	6 40 46.85	85.70	2	+2.574	—20 43 58.1	85.70	2	—3.55	Lal., Bonn VI.
1097	8.5	40 48.62	85.64	2	2.569	—20 56 33.4	85.64	2	3.55	Bonn VI.
1098	8	41 07.93	86.18	2	2.581	—20 29 12.5	86.18	2	3.58	Bonn VI.
1099	9	41 09.03	86.44	3	2.612	—19 16 31.7	86.44	3	3.58	
1100	7.5	41 10.80	86.03	3	2.577	—20 38 02.6	86.03	3	3.59	O. A.

Number.....	Magnitudes.	Mean R. A. 1885.0	Epoch.....	No. of Obs..	Ann. Prec...	Mean Declination. 1885.0	Epoch.....	No. of Obs..	Ann. Prec...	Authorities.
		H. M. S.			s.	° ′ ″			″	
1101	7.2	6 41 26.74	86.06	3	+2.600	−19 45 19.5	86.25	4	−3.61	
1102	9	42 05.62	86.11	3	2.607	−19 30 55.1	86.11	3	3.66	
1103	8.5	42 06.09	86.18	2	2.580	−20 33 10.6	86.18	2	3.66	O. A.
1104	8.2	42 10.12	85.81	3	2.568	−20 58 39.6	85.81	3	3.67	Bonn VI.
1105	9.2	42 16.67	86.70	3	2.553	−21 32 32.8	86.70	3	3.68	
1106	9.5	6 42 39.07	87.13	2	+2.609	−19 25 28.7	87.13	2	−3.71	
1107	8.5	42 55.12	86.12	2	2.541	−22 02 39.1	85.81	3	3.74	
1108	8.5	43 20.29	86.19	5	2.597	−19 53 10.3	86.19	5	3.77	
1109	8.5	43 23.63	86.07	3	2.548	−21 46 44.7	85.85	4	3.77	Lal., Bonn VI.
1110	9.5	43 37.22	86.79	3	2.609	−19 25 48.4	86.79	3	3.79	O. A. Note.
1111	8.5	6 43 52.97	86.03	3	+2.587	−20 17 51.4	86.03	3	−3.81	O. A.
1112	9	44 06.74	86.07	2	2.581	−20 32 04.1	86.07	2	3.84	
1113	9	44 40.05	85.71	5	2.568	−21 03 03.4	85.71	5	3.88	Lal., Bonn VI.
1114	8.5	44 42 38	86.11	2	2.614	−19 15 14.2	86.11	2	3.89	O. A.
1115	9	44 51.33	86.01	3	2.594	−20 01 40.0	86.22	4	3.90	
1116	9	6 44 55.95	86.56	2	+2.587	−20 19 53.6	86.56	2	−3.91	O. A.
1117	9.2	45 13.65	86.46	2	2.598	−19 53 26.2	86.46	2	3.93	
1118	9	45 34.13	86.40	2	2.590	−20 13 33.0	86.40	2	3.96	O. A.
1119	8	45 48.85	85.69	7	2.577	−20 42 08.4	85.69	7	3.98	Lal., Bonn VI.
1120	7.5	45 56.59	85.81	7	2.575	−20 46 34.7	85.81	7	3.99	Lal., Bonn VI., Tac.
1121	8.5	6 46 01.60	86.11	3	+2 610	−19 27 11.5	86.11	3	−4.00	O. A.
1122	9	46 38.29	86.05	2	2.548	−21 48 41.4	85.76	3	4.05	
1123	9	46 55 30	86.77	3	2.619	−19 07 29.7	86.77	3	4.08	O. A.
1124	7.7	47 03.31	86.14	2	2.539	−22 10 02.7	86.14	2	4.09	Lal., O. A., Tac.
1125	8	47 45.46	85.62	6	2.569	−21 02 43.0	85.62	6	4.15	Lal., Bonn VI., Tac.
1126	9	6 47 55.86	86.30	3	+2.597	−19 59 04.0	86 30	3	−4.16	
1127	8.7	48 05.21	86.05	2	2.552	−21 41 41.4	86.05	2	4.18	O. A.
1128	9	48 06.93	86.77	3	2.617	−19 11 13.6	86.77	3	4.18	O. A.
1129	8.5	48 16 76	86.10	2	2 611	−19 26 43.0	86.60	4	4.19	O. A.
1130	9	48 22.56	86.78	3	2.616	−19 14 39.8	86.78	3	4.20	O. A.
1131	9	6 48 35.84	86.05	2	+2.546	−21 54 56.8	86 05	2	−4.22	O. A.
1132	8	48 56.59	85.76	3	2.551	−21 44 20.2	85.76	3	4.25	O. A.
1133	8	49 04.11	86.14	2	2.540	−22 11 12.6	86.46	3	4.26	
1134	8	49 27.87	86.14	2	2.537	−22 17 34 3	86.46	3	4.29	
1135	9.5	49 51.94	86.53	2	2.552	−21 43 36.9	86.53	2	4.33	O. A.
1136	9.2	6 50 18.31	86.71	3	+2.552	−21 43 34.6	86.71	3	−4.37	O. A.
1137	7	50 39.87	85.76	3	2.548	−21 53 24.6	85.76	3	4.40	O. A.
1138	8	50 46.76	86.78	3	2.544	−22 02 44.4	86.78	3	4.41	
1139	8.2	50 52 64	86.08	4	2.608	−19 36 49.1	86.08	4	4.42	O. A.
1140	9	51 20.20	87.08	2	2.592	−20 13 32.9	87.08	2	4.45	
1141	8.8	6 51 58.60	86.11	3	+2.610	−19 33 44.4	86.11	3	−4.51	O. A.
1142	8.5	51 59.26	86.08	3	2.574	−20 57 05.5	86.08	3	4.51	Bonn VI.
1143	7.5	52 00.75	86.11	3	2.617	−19 17 07.7	86.11	3	4.51	Lal., O. A., Bonn VI.
1144	9.2	52 08.58	86.76	3	2.593	−20 12 33.4	86.76	3	4.52	
1145	7	52 22.09	85.67	2	2.545	−22 03 06.8	85.67	2	4.54	Lal., Bonn VI.
1146	8.5	6 52 37.05	86.08	3	+2.575	−20 53 47.0	86.08	3	−4.56	Lal., Bonn VI., Tac.
1147	8.8	53 08.65	86.04	3	2.563	−21 22 38.5	86.04	3	4.61	
1148	8.7	53 14.56	85.67	2	2.554	−21 42 56.5	85.67	2	4.62	O. A.
1149	8.5	53 25.29	86.06	3	2.589	−20 22 29.6	86.06	3	4.63	O. A.
1150	9.5	53 43.76	86.62	2	2.620	−19 10 28.1	86.62	2	4.66	O. A.

Number.....	Magnitudes.	Mean R. A. 1885.0	Epoch.....	No. of Obs..	Ann. Prec...	Mean Declination. 1885.0	Epoch.....	No. of Obs.	Ann. Prec...	Authorities.
		H. M. S.			s.	° ′ ″			″	
1151	8	6 53 46.99	86.09	4	+2.587	—20 27 34.3	86.09	4	—4.66	Lal., O. A.
1152	8.2	54 10.18	86.14	2	2.583	—20 38 08.0	86.14	2	4.70	Lal., O. A. Note.
1153	8.5	54 18.95	86.08	3	2.573	—21 00 42.8	86.08	3	4.71	Lal., Bonn VI.
1154	7	54 44.55	86.30	4	2.562	—21 26 41.5	86.30	4	4.74	Bonn VI.
1155	7	55 09.26	85.87	5	2.600	—19 59 57.6	85.87	5	4.78	O. A., Brux.
1156	7.7	6 55 14.93	86.06	3	+2.609	—19 38 28.3	86.06	3	—4.79	Lal., O. A.
1157	9	55 21.10	86.59	2	2.603	—19 52 17.3	86.59	2	4.80	O. A.
1158	7	55 26.05	85.76	3	2.549	—21 57 32.3	85.76	3	4.81	Lal., O. A.
1159	7.2	55 37.45	85.90	5	2.588	—20 28 48.5	85.90	5	4.82	Lal., O. A.
1160	7.5	55 43.93	85.90	5	2.587	—20 30 56.6	85.90	5	4.83	Lal., O. A.
1161	7.8	6 55 50.96	86.44	3	+2.618	—19 16 58.0	86.44	3	—4.84	Lal., Bonn VI.
1162	7.8	55 57.98	86.46	3	2.542	—22 13 15.7	86.46	3	4.85	O. A.
1163	7.8	56 10.91	85.76	3	2.554	—21 48 14.2	85.76	3	4.87	O. A.
1164	9	56 17.75	86.75	3	2.590	—20 24 35.9	86.84	4	4.88	O. A.
1165	9	56 36.15	86.11	3	2.615	—19 26 12.6	86.11	3	4.90	
1166	8.5	6 57 03.75	86.55	2	+2.570	—21 11 45.8	86.55	2	—4.94	O. A.
1167	8.5	57 29.97	85.83	4	2.560	—21 34 09.3	85.83	4	4.98	
1168	8	57 35.70	85.89	5	2.611	—19 36 07.4	85.89	5	4.99	Lal., O. A.
1169	8	57 46.56	86.05	2	2.553	—21 51 32.2	86.05	2	5.00	
1170	9	58 06.98	86.13	3	2.586	—20 35 09.0	86.36	4	5.03	Lal., Bonn VI.
1171	9.5	6 58 24.35	86.59	2	+2.589	—20 29 53.2	86.59	2	—5.05	O. A.
1172	8.5	58 43.34	85.67	2	2.556	—21 44 52.8	85.67	2	5.08	
1173	9	58 46.50	86.10	2	2.595	—20 15 01.9	86.10	2	5.09	O. A.
1174	9	59 06.34	86.77	3	2.560	—21 36 10.5	86.85	4	5.11	O. A.
1175	8	59 17.54	86.08	3	2.574	—21 05 45.0	86.08	3	5.13	Lal., O. A., Tac. Note.
1176	8	6 59 17.79	85.98	2	+2.569	—21 16 01.6	85.98	2	—5.13	O. A.
1177	6.5	59 53.14	85.76	3	2.554	—21 51 30.6	85.76	3	5.18	Lal., O. A.
1178	7	59 56.36	86.11	3	2.585	—20 39 28.2	86.11	3	5.18	Lal., O. A., Bonn VI. Note.
1179	8.5	59 57.96	85.75	3	2.612	—19 38 13.1	85.75	3	5.18	
1180	9.5	7 00 00.29	86.59	2	2.608	—19 47 31.6	86.76	3	5.19	
1181	7.2	7 00 06.43	85.87	5	+2.602	—20 01 49.6	85.87	5	—5.20	
1182	8.2	00 09.14	86.10	2	2.588	—20 32 50.8	86.10	2	5.20	O. A.
1183	7	00 10.68	86.01	3	2.570	—21 16 43.6	86.01	3	5.21	Lal., O. A.
1184	8.5	00 40.87	86.14	2	2.616	—19 29 10.7	86.14	2	5.25	O. A.
1185	8.5	00 44.36	86.14	2	2.587	—20 37 05.6	86.14	2	5.25	O. A.
1186	9.5	7 01 19.39	87.16	2	+2.624	—19 09 52.1	87.16	2	—5.31	
1187	8	01 40.75	85.76	3	2.556	—21 50 14.0	85.76	3	5.33	O. A.
1188	8.5	01 51.76	86.41	3	2.568	—21 22 48.7	86.41	3	5.35	O. A.
1189	9	02 09.69	86.75	3	2.598	—20 12 59.4	86.75	3	5.37	
1190	8	02 18.85	85.87	5	2.601	—20 06 26.6	85.87	5	5.39	
1191	8.5	7 03 11.43	86.01	3	+2.574	—21 09 46.0	86.01	3	—5.46	O. A.
1192	7.3	03 24.56	85.85	4	2.588	—20 40 41.6	85.85	4	5.48	Lal., Bonn VI., Tac.
1193	9	03 29.69	85.76	3	2.558	—21 48 56.5	85.76	3	5.49	
1194	8.5	03 49.18	85.83	4	2.611	—19 44 25.5	85.83	4	5.51	
1195	9	03 59.25	86.59	2	2.604	—20 00 52.6	86.76	3	5.53	
1196	9	7 04 32.55	86.59	2	+2.605	—20 00 35.9	86.76	3	—5.57	
1197	9	04 39.34	86.39	3	2.572	—21 17 13.4	86.57	4	5.58	
1198	9	04 48.56	86.59	2	2.593	—20 28 03.3	86.59	2	5.60	O. A.
1199	9	04 57.25	86.59	2	2.593	—20 30 00.0	86.59	2	5.61	O. A.
1200	8	04 58.84	85.87	4	2.620	—19 23 56.2	85.87	4	5.61	O. A.

Number.....	Magnitudes.	Mean R. A 1885.0	Epoch.....	No. of Obs.	Ann. Prec...	Mean Declination. 1885.0	Epoch.....	No. of Obs.	Ann. Prec...	Authorities.
		H. M. S.			s.	° ′ ″			″	
1201	7.7	7 05 10.12	86.62	2	+2.626	—19 00 44.4	86.62	2	—5.63	
1202	7.7	05 30.76	85.87	5	2.603	—20 05 15.7	85.87	5	5.66	Lal., O. A., Bonn VI.
1203	9	06 00.20	85.58	2	2.608	—19 54 23.5	85.58	2	5.70	O. A.
1204	9.5	06 05.06	86.60	2	2.603	—20 05 55.3	86.60	2	5.70	O. A.
1205	7.2	06 25.98	85.83	4	2.565	—21 36 49.5	85.83	4	5.73	O. A., Bonn VI.
1206	6.5	7 06 44.10	86.11	3	+2.589	—20 41 38.0	86.11	3	—5.76	Lal., Bonn VI., Tac.
1207	8.3	06 53.08	85.84	4	2.614	—19 42 23.5	85.84	4	5.77	O. A.
1208	9	06 57.55	86.43	3	2.607	—19 59 32.6	86.43	3	5.77	O. A.
1209	8	07 09.35	85.79	3	2.621	—19 25 43.5	85.79	3	5.79	
1210	9	07 22.60	85.67	2	2.556	—21 58 26.9	85.67	2	5.81	Lal., Bonn VI.
1211	9	7 07 39.73	86.53	2	+2.567	—21 33 20.2	86.53	2	—5.84	O. A.
1212	9	07 40.27	86.59	2	2.590	—20 39 35.2	86.59	2	5.84	
1213	8.8	08 11.38	85.88	5	2.597	—20 23 14.2	85.88	5	5.88	O. A.
1214	9	08 27.34	86.05	2	2.569	—21 30 54.2	86.05	2	5.90	
1215	9	08 30.37	86.59	2	2.594	—20 32 21.2	86.78	3	5.91	O. A.
1216	9	7 08 31.57	86.73	3	+2.584	—20 55 52.5	86.55	2	—5.91	O. A.
1217	9	08 46.47	86.57	2	2.575	—21 15 39.4	86.57	2	5.93	
1218	9	09 25.62	86.11	3	2.589	—20 43 19.6	86.11	3	5.98	O. A.
1219	7.5	09 31.80	85.75	6	2.613	—19 47 34.8	85.75	6	5.99	Lal., O. A., Tac.
1220	9.2	09 37.95	86.52	2	2.560	—21 52 30.6	86.52	2	6.00	
1221	8.3	7 09 50.76	86.14	2	+2.587	—20 49 34.2	86.45	3	—6.02	O. A.
1222	9	10 00.48	86.59	2	2.613	—19 47 46.3	86.59	2	6.03	Lal., O. A., Tac.
1223	8	10 05.67	85.76	3	2.565	—21 41 25.7	85.76	3	6.04	
1224	8.5	10 22.88	86.64	2	2.589	—20 46 13.4	86.64	2	6.06	O. A.
1225	9	10 24.22	86.07	3	2.563	—21 46 25.5	86.07	3	6.06	
1226	8	7 10 34.75	85.68	5	+2.611	—19 55 37.5	85.68	5	—6.08	Lal., O. A.
1227	8.7	10 58.74	86.11	2	2.600	—20 22 16.0	86.11	2	6.11	O. A.
1228	8.2	11 00.97	86.08	3	2.581	—21 05 03.4	86.08	3	6.11	Lal., O. A., Tac.
1229	9	11 16.06	86.64	2	2.604	—20 12 11.2	86.64	2	6.14	O. A.
1230	9	12 00.27	86.11	4	2.618	—19 40 28.4	86.11	4	6.20	
1231	7.5	7 12 07.50	86.08	3	+2.585	—20 58 56.5	86.08	3	—6.21	Lal., O. A., Bonn VI.
1232	8.5	12 27.19	86.08	3	2.585	—20 59 35.8	86.08	3	6.24	O. A.
1233	8.5	12 27.58	86.06	3	2.603	—20 15 30.7	86.06	3	6.24	
1234	8.5	12 35.73	86.54	2	2.579	—21 13 48.5	86.54	2	6.25	Lal., O. A., Tac.
1235	8.5	12 43.10	86.59	2	2.593	—20 41 02.7	86.59	2	6.26	O. A.
1236	9	7 12 44.55	86.64	2	+2.572	—21 29 05.9	86.64	2	—6.26	
1237	8	13 02.02	86.01	3	2.581	—21 09 08.8	86.01	3	6.28	Lal., O. A.
1238	8.5	13 09.80	85.67	2	2.559	—22 01 53.4	85.67	2	6.29	
1239	7	13 18.49	86.14	2	2.556	—22 07 55.2	86.14	2	6.31	Lal., Bonn VI.
1240	8.5	13 22.67	86.59	2	2.594	—20 40 36.7	86.78	3	6.31	
1241	8.3	7 13 24 07	86.11	2	+2.601	—20 23 43.0	86.11	2	—6.31	O. A.
1242	9.2	13 37.41	85.80	3	2.630	—19 12 50.6	85.88	4	6.33	
1243	8.7	13 41.13	86.10	2	2.612	—19 55 21.3	86.10	2	6.34	Lal., Bonn VI.
1244	8.7	13 43.90	86.04	2	2.613	—19 54 00.2	86.06	3	6.34	Lal., Bonn VI.
1245	6.8	13 58.98	85.80	3	2.634	—19 04 12.5	85.88	4	6.36	Lal., O. A., Bonn VI., Tac.
1246	8 5	7 14 10.85	86.54	2	+2.577	—21 22 00.5	86.74	3	—6.38	O. A.
1247	7.5	14 25.10	85.76	3	2.565	—21 50 13.1	85.76	3	6.40	Lal., O. A., Tac.
1248	8.5	14 46 12	86.06	3	2.617	—19 45 35 7	86.32	4	6.43	Bonn VI., Tac.
1249	7	15 05.91	86.13	3	2.599	—20 29 30.9	86.13	3	6.46	Lal., O. A., Tac.
1250	7.3	15 27.92	85.76	3	2.565	—21 52 13.6	85.76	3	6.48	Lal., O. A.

Number.....	Magnitudes.	Mean R. A. 1885.0	Epoch.....	No. of Obs.	Ann. Prec...	Mean Declination. 1885.0	Epoch.....	No. of Obs.	Ann. Prec...	Authorities.
		h. m. s.			s.	° ′ ″			″	
1251	8.5	7 15 39.82	86.62	2	+2.637	−19 00 47.1	86.45	3	−6.50	O. A.
1252	7	15 55.11	86.09	4	2.601	−20 26 03.3	86.09	4	6.52	Lal., O. A.
1253	8.7	15 56.28	86.04	3	2.578	−21 21 38.3	86.32	4	6.52	O. A.
1254	8.5	16 46.09	86.11	2	2.608	−20 11 43.6	86.11	2	6.59	Lal., O. A., Tac.
1255	8.8	17 06.73	85.79	3	2.617	−19 51 07.8	85.79	3	6.62	
1256	6.5	7 17 09.47	86.62	2	+2.643	−18 47 49.4	86.45	3	−6.62	Lal., O. A.
1257	7.5	17 23.46	86.09	4	2.606	−20 17 16.9	86.09	4	6.64	Lal., O. A., Tac.
1258	9	17 39.98	86.57	2	2.589	−20 58 21.2	86.76	3	6.67	Brux.
1259	7.8	17 52.54	86.05	4	2.582	−21 15 56.5	86.05	4	6.68	Lal., O. A., Tac.
1260	7.5	18 24.01	86.07	4	2.614	−20 00 31.8	86.07	4	6.73	Lal., O. A., Tac.
1261	8.5	7 18 29.70	86.05	4	+2.582	−21 17 12.9	86.05	4	−6.73	O. A.
1262	9	18 38.51	86.61	2	2.631	−19 20 08.8	86.61	2	6.75	O. A.
1263	8.2	18 51.59	86.06	3	2.615	−19 58 14.0	86.06	3	6.77	Lal., O. A., Tac.
1264	8.5	18 54 90	86.14	2	2.602	−20 29 13 5	86.14	2	6.77	O. A.
1265	8.2	19 12.32	86.04	3	2.580	−21 22 41.0	86.04	3	6.79	O. A., Tac.
1266	7.7	7 19 18.05	86.14	2	+2.561	−22 08 23.6	86.14	2	−6.80	
1267	7 5	19 46.68	86.62	2	2.645	−18 47 10.9	86.45	3	6.84	Lal., O. A., Yar.
1268	9	20 02 86	86.59	2	2.595	−20 47 39.7	86.59	2	6.86	
1269	9	20 05.81	86.59	2	2.623	−19 41 54.3	86.78	3	6.87	
1270	7.2	20 09.79	86.08	3	2.592	−20 56 51.8	86.08	3	6.87	Lal., O. A., Tac.
1271	9	7 20 14 04	86.59	2	+2.595	−20 47 56.3	86.59	2	−6.88	O. A.
1272	6.7	20 24.29	85.76	3	2.571	−21 45 20.0	85.76	3	6.89	Lal., O. A., Bonn VI. Note.
1273	7.5	20 30.69	85.80	3	2.635	−19 12 40.1	85.88	4	6.90	O. A., Brux.
1274	8	20 48.69	86.11	3	2.597	−20 43 51.5	86.35	4	6.92	Lal., O. A.
1275	8	21 11.29	86.04	2	2.612	−20 10 25.4	86.04	2	6.96	
1276	9	7 21 14.21	86.62	2	+2.566	−21 59 24.9	86.62	2	−6.96	O. A.
1277	7.7	21 14.65	86.11	3	2.599	−20 40 40.8	86.11	3	6.96	Lal., O. A.
1278	9	21 29.73	86.10	3	2.622	−19 46 10 2	86.10	3	6.98	O. A.
1279	8.2	22 13.67	85.89	5	2.623	−19 46 01.1	85.89	5	7.04	O. A.
1280	8	22 35.57	86.08	3	2.594	−20 54 48.5	86.08	3	7.07	Lal., O. A., Tac.
1281	8.7	7 22 50.06	86.10	2	+2.618	−19 56 58.2	86.10	2	−7.09	O. A.
1282	9	22 57.15	86.05	2	2.576	−21 38 45.1	86.05	2	7.10	O. A.
1283	8	23 01.23	86.62	2	2.645	−18 53 02.4	86.45	3	7.11	
1284	8.8	23 40.66	85.76	3	2.575	−21 43 44.6	85.76	3	7.16	O. A.
1285	8.7	23 42.04	86.59	2	2.608	−20 24 42.0	86.59	2	7.16	
1286	7.7	7 23 44.46	85.83	4	+2.579	−21 34 10.7	85.83	4	−7.16	Lal., O. A., Tac.
1287	8.5	23 57.08	86.59	2	2.620	−19 55 35.5	86.59	2	7.18	O. A., Brux.
1288	8.7	24 24.33	86.61	2	2.640	−19 07 33.7	86.61	2	7.22	O. A., Brux.
1289	8.5	24 26 38	85.83	4	2.578	−21 37 57.1	85.83	4	7.22	Lal., O. A., Bonn VI.
1290	8.5	24 31.55	85.83	4	2.578	−21 37 16.4	85.83	4	7.23	Lal., O. A.
1291	8.5	7 24 34.56	86.61	2	+2.636	−19 17 14.0	86.61	2	−7.24	O. A., Bonn VI.
1292	8.7	24 57.16	86.59	2	2.605	−20 33 33.0	86.59	2	7.26	Note.
1293	7.5	24 59 00	85.87	4	2.636	−19 17 16.9	85.92	5	7.27	O. A., Bonn VI., Brux.
1294	7.5	25 27 29	86.11	4	2.605	−20 34 08.3	86.11	4	7.31	Yar.
1295	8	25 48.22	86.36	3	2.581	−21 34 13.6	86.36	3	7.33	O. A.
1296	8	7 26 26.86	85.87	4	+2.638	−19 16 08.2	85.92	5	−7.39	Lal., O. A., Brux.
1297	8.5	26 31.18	86.03	3	2.583	−21 30 07.9	86.03	3	7.39	O. A.
1298	8.5	26 48.17	85.76	3	2.577	−21 44 48.4	85.76	3	7.41	O. A.
1299	8	26 51.74	86.11	3	2.603	−20 41 12.5	86.11	3	7.42	Lal., Bonn VI., Tac.
1300	8.5	27 06.60	85.92	5	2.613	−20 18 21.3	85.92	5	7.44	Lal., O. A., Bonn VI.

Number.....	Magnitudes.	Mean R. A. 1885.0	Epoch.....	No. of Obs..	Ann. Prec...	Mean Declination. 1885.0	Epoch.....	No. of Obs..	Ann. Prec...	Authorities.
		H. M. S.			s.	° ′ ″			″	
1301	8.5	7 27 40.16	86.40	3	+2.579	—21 41 05.5	86.40	3	—7.49	O. A.
1302	9	27 46.74	86.11	4	2.608	—20 32 50.2	86.11	4	7.50	Lal., O. A., Bonn VI., Tac.
1303	9	27 49.56	86.63	2	2.638	—19 18 15.9	86.63	2	7.50	
1304	8.5	28 01.83	86.38	4	2.570	—22 02 26.6	86.14	3	7.51	
1305	9.5	28 04.43	86.63	2	2.640	—19 13 18.6	86.63	2	7.52	
1306	9	7 28 10.25	86.13	3	+2.610	—20 27 26.9	86.13	3	—7.53	Lal., O. A., Bonn VI.
1307	6.8	28 15.55	85.88	4	2.642	—19 09 46.8	85.88	4	7.53	O. A.
1308	9	28 16.63	86.71	3	2.580	—21 41 23.4	86.71	3	7.53	O. A.
1309	9	28 20.79	86.15	2	2.571	—22 02 49.7	87.15	2	7.54	
1310	9	28 53.82	86.78	3	2.608	—20 33 49.0	87.12	2	7.59	Note.
1311	9	7 29 06.79	86.78	3	+2.611	—20 27 32.5	86.78	3	—7.60	Note.
1312	7.5	29 11.20	85.70	7	2.625	—19 53 17.7	85.70	7	7.61	Lal., Bonn VI.
1313	9	29 31.98	86.59	2	2.618	—20 11 25.1	86.59	2	7.64	
1314	7.8	29 35.96	86.08	3	2.597	—21 03 23.9	86.08	3	7.64	Lal., O. A., Tac.
1315	9	29 56.43	86.12	2	2.637	—19 25 31.5	86.12	2	7.67	O. A.
1316	8.7	7 30 27.01	86.11	2	+2.617	—20 14 39.3	86.11	2	—7.71	O. A.
1317	9	30 34.58	86.59	2	2.617	—20 16 35.7	86.78	3	7.72	O. A.
1318	8.5	30 35.34	85.99	2	2.588	—21 25 33.3	85.99	2	7.72	Lal., Bonn VI.
1319	8.3	30 43.02	86.57	2	2.593	—21 13 46.9	86.57	2	7.73	Lal., Bonn VI.
1320	9	30 45.82	86.11	2	2.635	—19 31 49.4	86.11	2	7.74	O. A.
1321	8.8	7 31 03.59	86.59	2	+2.623	—20 01 19.6	86.59	2	—7.76	
1322	8	31 06.57	86.16	3	2.574	—22 02 22.9	86.16	3	7.77	O. A.
1323	7	31 11.17	85.84	3	2.577	—21 54 21.5	85.87	4	7.77	O. A.
1324	8	31 15.42	86.16	2	2.583	—21 39 46.9	86.09	3	7.78	
1325	8.5	31 22.92	86.59	2	2.634	—19 36 33.1	86.59	2	7.79	O. A.
1326	6.7	7 31 37.69	85.80	6	+2.637	—19 26 49.8	85.80	6	—7.80	Lal., O. A., Arm. 2.
1327	8.7	31 54.65	86.14	2	2.608	—20 39 54.0	86.14	2	7.83	
1328	8	31 56.74	86.45	3	2.605	—20 47 49.7	86.45	3	7.83	O. A.
1329	7.5	32 01.74	86.08	3	2.597	—21 08 18.4	86.08	3	7.84	Lal., Bonn VI., Tac.
1330	8.5	32 10.47	85.75	5	2.624	—20 02 23.9	85.75	5	7.85	O. A., Tac.
1331	8.7	7 32 18.60	86.64	2	+2.616	—20 20 52.6	86.78	3	—7.86	
1332	9	33 27.98	85.88	4	2.587	—21 33 54.1	85.88	4	7.95	O. A.
1333	8.5	33 41.59	85.63	2	2.636	—19 34 49.4	85.63	2	7.97	O. A.
1334	7.8	33 55.30	85.75	5	2.626	—20 00 33.0	85.75	5	7.99	Lal., O. A., Tac.
1335	9	34 20.91	86.79	3	2.639	—19 29 44.1	86.79	3	8.02	
1336	8.5	7 34 52.76	85.84	3	+2.580	—21 55 48.2	86.17	4	8.07	
1337	7	35 09.73	85.80	6	2.642	—19 23 47.5	85.80	6	8.09	Lal., O. A., Tac.
1338	7.5	35 28.01	85.84	3	2.584	—21 46 53.9	86.17	4	8.11	Lal., O. A.
1339	9	35 33.30	86.64	2	2.615	—20 29 34.3	86.64	2	8.12	
1340	9	35 44.02	86.16	2	2.587	—21 40 40.8	86.16	2	8.14	O. A.
1341	8.5	7 35 46.15	86.11	3	+2.611	—20 41 23.6	86.11	3	—8.14	
1342	8.7	35 58.19	85.81	3	2.626	—20 05 45.3	85.81	3	8.16	O. A.
1343	8.5	36 10.92	86.08	3	2.604	—20 58 50.6	86.08	3	8.17	Lal., Bonn VI.
1344	8.5	36 14.27	85.75	5	2.626	—20 04 01.4	85.75	5	8.18	O. A.
1345	7	36 27.05	85.83	3	2.578	—22 04 09.0	85.83	3	8.19	Lal., O. A.
1346	9	7 36 28.63	86.59	2	+2.617	—20 27 01.9	86.59	2	—8.19	
1347	9	36 46.20	86.55	2	2.602	—21 06 02.7	86.55	2	8.22	Lal., Bonn VI.
1348	7.5	36 49.87	86.16	3	2.576	—22 08 14.0	86.16	3	8.22	Lal., O. A., Bonn VI.
1349	8	37 15.24	86.13	2	2.657	—18 50 04.9	86.13	2	8.26	Lal., O. A.
1350	8.7	37 25.07	85.88	4	2.649	—19 08 55.9	85.88	4	8.27	Lal. Note.

Number.....	Magnitudes.	Mean R. A. 1885.0	Epoch.....	No. of Obs.	Ann. Prec...	Mean Declination. 1885.0	Epoch.....	No. of Obs.	Ann. Prec...	Authorities.
		H. M. S.			s.	° ′ ″			″	
1351	9	7 37 29.16	86.66	2	+2.588	−21 39 57.3	86.66	2	−8.27	O. A.
1352	9	37 36.61	87.12	2	2.619	−20 25 17.8	87.12	2	8.28	
1353	8.5	37 46.50	86.11	2	2.625	−20 11 43.3	86.11	2	8.30	O. A.
1354	9	37 57.10	86.62	2	2.593	−21 29 14.3	86.62	2	8.31	Tac.
1355	7.5	37 58.06	85.92	4	2.588	−21 43 09.2	85.92	2	8.31	O. A.
1356	7.7	7 38 22.94	85.83	3	+2.581	−22 01 31.2	85.83	3	−8.35	O. A.
1357	9	38 29.24	86.66	2	2.585	−21 50 50.2	86.83	3	8.35	O. A.
1358	8.5	38 36.26	86.08	3	2.606	−21 00 32.4	86.08	3	8.36	Lal., Bonn VI., Tac.
1359	9	38 37.80	86.59	2	2.639	−19 38 41.2	86.59	2	8.36	O. A.
1360	8.5	38 45.95	85.92	4	2.584	−21 53 41.6	85.92	4	8.38	O. A.
1361	8.5	7 39 01.55	86.59	2	+2.612	−20 45 36.0	86.59	2	−8.40	O. A.
1362	9	39 25.05	86.62	2	2.593	−21 32 43.1	86.62	2	8.43	O. A.
1363	9	39 53.12	86.59	2	2.613	−20 46 38.4	86.59	2	8.46	O. A.
1364	9	39 56.34	85.81	3	2.645	−19 24 06.8	86.13	4	8.47	O. A.
1365	9	40 11.58	86.59	2	2.619	−20 31 58.5	86.59	2	8.49	
1366	8.8	7 40 15.86	85.83	3	+2.585	−21 56 41.7	85.83	3	−8.50	O. A.
1367	8.8	40 52.07	85.67	4	2.624	−20 21 29.5	85.67	4	8.54	Lal., O. A., Tac.
1368	8.5	41 05.25	85.90	4	2.621	−20 28 51.6	85.90	4	8.56	Lal., O. A. Note.
1369	9	41 21.55	86.62	2	2.601	−21 19 09.6	86.62	2	8.58	
1370	8	41 27.79	86.10	4	2.602	−21 15 53.5	86.10	4	8.59	O. A.
1371	7.5	7 41 44.81	85.93	5	+2.620	−20 33 01.4	85.93	5	−8.61	Lal., O. A., Tac.
1372	8.2	42 15.07	85.66	4	2.642	−19 39 00.0	85.66	4	8.65	
1373	8.7	42 26.70	86.13	3	2.621	−20 30 24.9	86.13	3	8.67	Lal., O. A.
1374	8.2	42 42.48	85.66	4	2.641	−19 42 06.0	85.66	4	8.69	
1375	9	42 44.01	86.61	2	2.651	−19 16 40.1	86.61	2	8.69	
1376	8	7 42 53.67	85.88	4	+2.655	−19 07 08.4	85.88	4	−8.70	Lal., O. A.
1377	8.2	43 02.51	86.12	3	2.657	−19 02 46.1	86.13	2	8.72	Lal., O. A.
1378	9	43 07.70	86.16	2	2.584	−22 03 48.6	86.16	2	8.72	
1379	8.7	43 22.40	85.81	3	2.635	−19 57 31.4	85.81	3	8.74	O. A.
1380	7.5	43 37.36	85.92	4	2.593	−21 43 24.2	85.92	4	8.76	Lal., O. A., Tac.
1381	8	7 43 37.90	86.13	2	+2.661	−18 53 13.7	86.13	2	−8.76	Lal., O. A.
1382	8.2	44 25.52	86.17	2	2.581	−22 16 34.0	86.17	2	8.82	Brux.
1383	8.2	44 32.16	86.08	3	2.612	−20 59 46.8	86.08	3	8.83	O. A.
1384	7	44 36.00	85.79	3	2.654	−19 12 58.5	85.79	3	8.84	Lal., O. A.
1385	8.8	44 36.27	85.67	2	2.639	−19 51 28.9	85.67	2	8.84	Lal., O. A.
1386	7	7 44 42.18	85.58	5	+2.638	−19 54 55.7	85.58	5	−8.85	Lal.
1387	9.5	44 52.10	86.68	2	2.600	−21 30 50.7	86.68	2	8.86	
1388	9.5	44 55.52	87.17	2	2.596	−21 38 51.0	87.17	2	8.86	
1389	7	45 00.47	85.88	4	2.654	−19 14 03.8	85.88	4	8.87	Lal., O. A.
1390	8.2	45 45.79	85.92	4	2.594	−21 45 52.5	85.92	4	8.93	Lal., O. A., Tac.
1391	8.7	7 45 49.59	86.61	2	+2.652	−19 20 56.0	86.61	2	−8.93	O. A.
1392	6	46 42.38	86.08	3	2.617	−20 52 52.2	86.08	3	9.01	Lal., O. A.
1393	7.2	46 46.59	85.77	5	2.628	−20 25 34.8	85.77	5	9.01	Lal., Bonn VI., Tac.
1394	9	47 31.61	86.66	2	2.598	−21 42 15.5	86.83	3	9.07	
1395	8.5	47 34.23	85.74	5	2.650	−19 29 29.8	85.74	5	9.07	
1396	8.8	7 47 36.42	86.44	3	+2.653	−19 21 28.8	86.44	3	−9.07	O. A.
1397	9	47 38.77	86.55	2	2.612	−21 06 25.0	86.55	2	9.08	O. A.
1398	8.2	47 46.90	85.92	4	2.593	−21 55 40.9	85.92	4	9.09	O. A.
1399	8.7	47 53.88	86.78	3	2.622	−20 42 18.0	86.59	2	9.10	
1400	9	48 35.26	86.61	2	2.657	−19 13 57.7	86.61	2	9.15	O. A.

Number	Magnitudes.	Mean R. A. 1885.0	Epoch.....	No. of Obs.	Ann. Prec...	Mean Declination. 1885.0	Epoch.....	No. of Obs.	Ann. Prec...	Authorities.
		H. M. S.			s.	° ′ ″			″	
1401	8.8	7 48 45.86	85.94	5	+2.601	—21 37 23.9	85.94	5	— 9.16	O. A.
1402	8.5	48 56.45	86.45	3	2.622	—20 43 59.6	86.45	3	9.18	O. A.
1403	9	49 02.93	86.66	2	2.599	—21 43 46.5	86.66	2	9.19	O. A.
1404	9	49 09.99	85.79	3	2.655	—19 22 48.3	86.12	4	9.20	O. A.
1405	9	50 24.37	85.84	3	2.600	—21 43 10.7	85.84	3	9.29	O. A.
1406	7.2	7 51 18.42	85.58	5	+2.638	—20 09 30.0	85.58	5	— 9.36	Lal., O. A.
1407	8.7	51 34.61	86.11	3	2.624	—20 45 47.1	86.11	3	9.38	Lal., O. A.
1408	9.2	52 14.86	86.17	2	2.592	—22 09 24.1	86.17	2	9.44	
1409	8.8	52 16.26	85.79	3	2.654	—19 30 48.5	85.79	3	9.44	
1410	8	52 50.50	85.58	5	2.641	—20 07 11.8	85.58	5	9.48	Lal., O. A., Bonn VI.
1411	8.2	7 53 08.34	86.59	2	+2.653	—19 36 27.3	86.59	2	— 9.50	
1412	8.8	53 08.42	86.44	3	2.659	—19 21 39.2	86.44	3	9.50	
1413	8.8	53 12.16	86.13	3	2.637	—20 17 19.1	86.36	4	9.51	Lal., O. A., Tac.
1414	8.3	53 12.78	85.79	3	2.662	—19 12 01.6	85.79	3	9.51	Lal., O. A.
1415	8.5	53 33.43	86.33	4	2.617	—21 10 37.1	86.33	4	9.53	
1416	8.5	7 53 58.87	86.13	2	+2.667	—19 01 21.1	86.13	2	— 9.57	Lal., O. A., Tac.
1417	8.5	54 04.63	85.58	5	2.644	—20 02 20.7	85.58	5	9.57	Lal., Bonn VI., Tac.
1418	8.5	54 11 76	85.92	4	2.603	—21 46 56.8	85.92	4	9.58	
1419	7.8	54 14.87	85.79	3	2.665	—19 09 12.7	85.79	3	9.59	Lal., O. A.
1420	9	54 32.18	86.49	3	2.607	—21 38 32.1	86.67	4	9.61	
1421	8.5	7 54 32.61	86.79	3	+2.658	—19 26 44.2	86.63	2	— 9.61	O. A.
1422	8.5	54 45.19	85.67	4	2.642	—20 08 05.5	85.67	4	9.62	Lal., Bonn VI.
1423	8.5	54 56.44	85.83	3	2.599	—21 58 15.7	85.83	3	9.64	
1424	8.7	55 01.02	86.08	3	2.622	—21 01 09.0	86.08	3	9.64	
1425	9	55 09.07	86.79	3	2.659	—19 25 09.7	86.79	3	9.66	O. A.
1426	8.8	7 55 21.11	85.75	5	+2.652	—19 45 40.6	85.75	5	— 9.67	Lal., Bonn VI.
1427	9	55 42.80	86.65	2	2.649	—19 53 49.0	86.79	3	9.70	
1428	8.8	55 48.25	85.80	3	2.666	—19 09 50.8	85.80	3	9.71	Lal., O. A.
1429	7.5	56 19.81	85.83	3	2.660	—22 01 11.0	85.83	3	9.75	Lal., O. A., Bonn VI.
1430	7.7	56 22.62	85.83	3	2.600	—22 00 58.4	85.83	3	9.75	Lal., O. A., Bonn VI.
1431	8	7 56 42.40	86.09	4	+2.628	—20 50 28.8	86.09	4	— 9.78	Lal., O. A.
1432	8.5	56 49.85	86.11	2	2.644	—20 10 23.6	86.11	2	9.79	
1433	8	57 24.37	85.67	6	2.648	—19 59 54.1	85.67	6	9.83	Lal., O. A., Tac.
1434	8	57 36.81	85.92	4	2.603	—21 56 31.8	86.16	5	9.84	O. A.
1435	9	57 51.07	86.11	2	2.645	—20 09 16.3	86.11	2	9.86	Lal., O. A.
1436	8.5	7 58 38.80	85.90	4	+2.639	—20 27 15.7	85.90	4	— 9.93	Lal., Bonn VI., Tac.
1437	8	59 03.05	85.88	4	2.626	—21 03 08.4	85.88	4	9.96	Lal., O. A.
1438	8	59 05.18	86.16	2	2.615	—21 29 30.8	86.16	2	9.96	O. A.
1439	8.3	59 19.31	85.88	4	2.625	—21 05 13.1	85.88	4	9.98	Lal., O. A.
1440	8.5	59 21.47	86.13	3	2.663	—19 27 06.8	86.13	3	9.98	Lal., O. A.
1441	8 8	7 59 29.65	86.65	2	+2.663	—19 27 07.4	86.65	2	— 9.99	Lal., O. A., Bonn VI.
1442	8	8 00 02.09	85.83	3	2.602	—22 06 30.8	85.83	3	10.03	Lal., O. A.
1443	8.5	00 15.80	86.47	3	2.638	—20 35 00.4	86.47	3	10.05	O. A.
1444	8.5	00 44.12	86.66	2	2.616	—21 32 57.1	86.80	3	10.08	
1445	8.5	00 52.31	86.17	3	2.637	—20 37 57.1	86.39	4	10.09	O. A.
1446	7.5	8 00 52.84	85.72	7	+2.662	—19 33 52.1	85.72	7	—10.09	Bonn VI.
1447	9	01 03.07	86.50	3	2.648	—20 11 41.4	86.08	4	10.11	O. A.
1448	8	01 21.44	85.92	5	2.664	—19 29 44.3	85.92	5	10.13	Lal., Bonn VI.
1449	8	01 24.88	85.91	4	2.609	—21 53 51.3	85.91	4	10.13	Lal., O. A.
1450	8	01 25.92	85.67	2	2.652	—20 00 16.9	85.67	2	10.13	O. A.

Number.....	Magnitudes.	Mean R. A. 1885.0	Epoch.....	No. of Obs..	Ann. Prec...	Mean Declination. 1885.0	Epoch.....	No. of Obs..	Ann. Prec...	Authorities.
		H. M. S.			s.	° ′ ″			″	
1451	8.5	8 01 26.15	87.17	2	+2.613	—21 42 27.7	87.17	2	—10.13	
1452	9	01 36.25	86.16	4	2.648	—20 12 18.8	86.16	4	10.15	O. A.
1453	8.5	01 47.01	85.97	6	2.623	—21 18 29.1	85.97	6	10.16	O. A.
1454	8.5	02 16.54	85.84	3	2.614	—21 43 01.6	85.93	4	10.20	Lal., O. A., Bonn VI.
1455	7.7	03 10.29	85.91	4	2.613	—21 48 03.9	85.91	4	10.27	O. A.
1456	8.5	8 03 21.70	86.18	3	+2.650	—20 11 13.8	86.18	3	—10.28	O. A.
1457	8.2	03 23.22	85.88	4	2.665	—19 31 33.7	85.88	4	10.28	
1458	8.5	03 31.14	85.80	3	2.666	—19 30 19.1	85.80	3	10.29	
1459	9.2	03 32.04	86 66	2	2.607	—22 03 41.8	86.66	2	10.29	
1460	7.3	03 38.43	85.52	6	2.654	—20 01 42.0	85.52	6	10.30	Lal., O. A.
1461	8	8 03 57.88	85.45	4	+2.652	—20 09 40.0	85.45	4	—10.33	O. A.
1462	7.5	04 14.01	85.87	7	2.627	—21 14 18.2	85.87	7	10.35	Lal., O. A.
1463	8.5	04 33.24	86.17	3	2.658	—19 53 38.9	86.17	3	10.37	O. A.
1464	9	05 15.57	86.67	2	2.644	—20 34 12.0	86.67	2	10.42	
1465	7	05 16.25	86.16	3	2.606	—22 11 38.8	86.16	3	10.42	Lal., Bonn VI.
1466	9	8 05 18.46	86.20	2	+2.664	—19 40 45.5	86.20	2	—10.43	O. A. Note.
1467	9.2	05 35.71	86.69	2	2.622	—21 31 15.6	86.69	2	10.45	O. A.
1468	8.8	05 39.62	85.89	3	2.650	—20 19 06.0	85.89	3	10.45	
1469	9	06 26.57	85.23	3	2.659	—19 57 09.1	85.23	3	10.51	O. A.
1470	8.8	06 46.63	86.41	4	2.626	—21 24 27.6	86.41	4	10.54	O. A.
1471	9	8 07 01.28	85.92	4	+2.621	—21 38 56.5	85.92	4	—10.55	Lal., O. A.
1472	9	07 33.90	86.84	3	2.644	—20 41 17.6	86.84	3	10.59	O. A.
1473	8.5	07 56.94	85.65	2	2.679	—19 06 45.5	85.65	2	10.62	
1474	8.5	08 03.90	85.65	2	2.680	—19 06 40.7	85.65	2	10.63	
1475	8.5	08 07.72	86.19	4	2.640	—20 53 45.3	86.19	4	10.64	Lal., O. A., Tac.
1476	8.5	8 08 25.83	85.45	4	+2.655	—20 13 44.2	85.45	4	—10.66	O. A., Bonn VI.
1477	9	08 42.94	86.16	3	2.615	—21 59 40.8	86.16	3	10.68	O. A.
1478	9.5	08 55.65	86.24	2	2.638	—21 01 50.5	86.24	2	10.70	O. A.
1479	9	09 02.28	86.19	4	2.637	—21 02 19.0	86.19	4	10.71	O. A.
1480	8.5	09 15.37	86.14	3	2.677	—19 16 35.7	86.14	3	10.72	Lal., Bonn VI.
1481	8	8 09 57.75	86.17	3	+2.632	—21 19 28.3	86.17	3	—10.77	Lal., O. A., Tac.
1482	8.5	10 47.25	85.23	2	2.669	—19 42 30.8	85.23	2	10.83	Bonn VI.
1483	9	10 49.18	86.50	3	2.659	—20 10 52.3	86.43	4	10.83	
1484	7.5	10 50.75	85.65	2	2.684	—19 03 21.0	85.65	2	10.84	Lal., Bonn VI. Note.
1485	8.5	11 18.90	85.23	2	2.671	—19 40 44.8	85.23	2	10.87	
1486	8.5	8 11 24.52	85.86	3	+2.663	—20 01 08.4	85.86	3	—10.88	
1487	8.2	11 32.62	86.42	4	2.649	—20 39 51.7	86.42	4	10.89	Lal., O. A.
1488	8.5	11 39.85	85.44	4	2.673	—19 34 10.7	85.44	4	10.90	
1489	7	11 42.20	85.85	6	2.630	—21 31 41.5	85.85	6	10.90	Lal., O. A., Tac.
1490	7	11 50.43	85.72	4	2.642	—20 58 00.4	86.01	5	10.91	Lal., O. A.
1491	9	8 11 58.62	86.70	2	+2.660	—20 12 55.2	86.50	3	—10.92	
1492	9	11 59.15	86.17	2	2.657	—20 20 28.6	86.17	2	10.92	O. A.
1493	8.7	12 20.78	85.92	4	2.632	—21 28 27.2	85.92	4	10.95	Lal., O. A., Tac.
1494	8.7	12 47.50	86.16	2	2.633	—21 26 32.7	86.16	2	10.98	Lal., O. A.
1495	9	13 32.35	86.17	2	2.628	—21 42 40.9	86.17	2	11.04	O. A.
1496	8.5	8 13 41.58	85.87	3	+2.639	—21 13 01.2	85.87	3	—11.04	Lal., Bonn VI., Tac.
1497	8.7	13 44.93	85.92	4	2.627	—21 46 32.6	85.92	4	11.05	O. A.
1498	7.2	14 15.09	85.22	5	2.671	—19 48 16.4	85.22	5	11.09	Lal., O. A.
1499	7.8	14 27.00	85.72	4	2.647	—20 53 45.9	85.72	4	11.10	Lal., Bonn VI.
1500	8.5	14 37.69	85.86	3	2.673	—19 45 42.4	85.86	3	11.11	O. A.

Number.....	Magnitudes.	Mean R. A. 1885.0	Epoch	No. of Obs.	Ann. Prec...	Mean Declination. 1885.0	Epoch	No. of Obs.	Ann. Prec...	Authorities.
		H. M. S.			s.	° ′ ″			″	
1501	8.5	8 15 16.85	86.21	2	+2.674	—19 43 31.8	86.54	3	—11.16	O. A.
1502	8.5	15 28.90	86.17	3	2.638	—21 22 37.5	86.17	3	11.18	O. A.
1503	8.5	15 53.43	85.83	3	2.622	—22 05 12.3	86.16	4	11.20	O. A.
1504	8.5	16 12.05	86.63	2	2.687	—19 11 18 0	86.63	2	11.23	
1505	6.7	16 13.62	85.70	4	2.675	—19 42 50 3	85.70	4	11.23	Lal., O. A., Bonn VI.
1506	7.2	8 16 24.52	85.84	3	+2.660	—20 25 47.3	85.84	3	—11.25	
1507	7.7	16 37.32	85.94	4	2.663	—20 19 21.2	85.94	4	11.26	
1508	9	17 08.39	86.20	3	2.648	—21 00 18.6	86.20	3	11.30	
1509	8.3	17 18.31	85.85	3	2.656	—20 38 29.9	85.85	3	11.31	O. A.
1510	8	17 34.31	85.92	4	2.632	—21 45 56.3	85.92	4	11.32	Lal., O. A.
1511	8.5	8 17 36.99	85.92	4	+2.632	—21 45 47.6	85.92	4	—11.33	O. A.
1512	8.5	17 50.93	85.85	3	2.663	—20 23 42.6	85.85	3	11.35	
1513	9	18 11.60	85.72	2	2.645	—21 12 33.6	85.72	2	11.38	O. A.
1514	8.3	19 16.05	85.83	3	2.629	—22 00 26.4	85.83	3	11.45	
1515	9.2	19 57.86	86.21	2	2.650	—21 05 55.7	86.21	2	11.50	O. A.
1516	9	8 19 59.27	86.66	2	+2.645	—21 15 28.4	86.66	2	—11 50	O. A.
1517	9	20 12.24	86.50	3	2.666	—20 22 25.1	86.50	3	11.52	O. A.
1518	6.7	20 13.52	85.70	4	2.659	—20 40 29.1	85.70	4	11.52	Lal., Bonn VI., Tac.
1419	7	20 15.41	85.92	4	2.635	—21 46 02.0	85.92	4	11.52	
1520	9	20 20.45	86.18	2	2.648	—21 12 06.9	86.18	2	11.53	O. A.
1521	8.2	8 20 55.43	86.14	2	+2.691	—19 14 05.9	86.49	3	—11.57	
1522	8.5	21 27.68	85.72	4	2.650	—21 11 13.1	85.72	4	11.60	Lal., O. A.
1523	9.2	22 04.78	86.66	2	2.631	—22 04 21.1	86.66	2	11.65	
1524	8.5	22 18.49	86.17	3	2.664	—20 36 25.7	86.57	5	11.67	Lal., O. A.
1525	7.2	22 26.73	85.69	4	2.667	—20 27 55.8	85.69	4	11.68	Lal., O. A., Bonn VI.
1526	9.5	8 22 46.90	86.20	2	+2.681	—19 48 56 8	86.20	2	—11.70	
1527	8.8	23 10.81	86.41	4	2.635	—21 56 43.7	86.41	4	11.73	O. A.
1528	7	23 46.87	85.70	4	2.666	—20 34 06.1	85.70	4	11.78	Lal., O. A.
1529	9	24 10.50	86.17	2	2.665	—20 39 35.1	86.17	2	11.80	O. A.
1530	8.7	24 27.39	85.72	4	2 660	—20 53 51.4	85.72	4	11.82	Lal., O. A.
1531	8.2	8 25 04 90	85.70	4	+2.669	—20 30 50.1	85.70	4	—11.87	Lal., O. A.
1532	8.3	25 12.17	85.23	2	2.682	—19 53 59.6	85.23	2	11.88	O. A.
1533	8.5	25 21.45	86.17	2	2.670	—20 29 18.4	86.50	3	11.88	O. A.
1534	9	25 30.69	86.21	3	2.663	—20 48 07.4	86.46	4	11.90	
1535	9	25 32.60	86.63	2	2.702	—18 58 26.7	86.63	2	11.90	O. A.
1536	8	8 25 56.08	85.23	3	+2.683	—19 55 04 9	85.23	3	—11.92	O. A.
1537	8.2	26 13.42	86.48	3	2.700	—19 07 02.4	86.67	4	11.94	O. A., Brux.
1538	7.7	26 25.64	85.70	4	2.667	—20 41 25.3	85 70	4	11.96	Lal., O. A.
1539	8.8	26 53.10	85.86	3	2.674	—20 24 50.7	85 86	3	11.99	O. A.
1540	8.5	27 05.74	85.69	4	2.691	—19 34 38.8	85.69	4	12.00	Lal., Bonn VI.
1541	9.3	8 27 22.09	86.50	3	+2.679	—20 11 22.1	86.50	3	—12.03	
1542	9	27 54.79	85.94	4	2.655	—21 21 15.1	85.94	4	12.06	O. A., Tac.
1543	8.5	28 05.89	85.92	4	2.643	—21 56 13.3	85.92	4	12 07	Lal., Bonn VI., Tac.
1544	8.5	28 12.88	85.83	3	2.640	—22 04 09.7	85.83	3	12.08	Lal., Bonn VI.
1545	9	28 48.64	86.20	2	2.692	—19 40 24.8	86.20	2	12.12	
1546	8.3	8 28 51.34	85.97	5	+2.650	—21 38 28.3	85.97	5	—12.13	Lal., O. A.
1547	8	29 03.86	85.98	5	2.677	—20 22 22.7	85.98	5	12.14	O. A.
1548	8.2	29 18.66	85.80	5	2.668	—20 48 29.5	85.80	5	12.16	O. A.
1549	8.5	29 38.87	85.86	3	2.682	—20 09 57.8	85.86	3	12.18	O. A.
1550	7.8	29 46.46	85.72	4	2.663	—21 03 54.2	85.72	4	12.20	Lal., O. A.

Number.....	Magnitudes.	Mean R. A. 1885.0	Epoch	No. of Obs..	Ann. Prec...	Mean Declination. 1885.0	Epoch.....	No. of Obs..	Ann. Prec...	Authorities.
		H. M. S.			s.	° ′ ″			″	
1551	7.5	8 30 01.00	85.92	4	+2.647	—21 51 25.8	85.92	4	—12.21	Lal., O. A.
1552	9	30 03.62	86.65	2	2.644	—21 58 51.5	86.65	2	12.21	O. A.
1553	8.8	30 19.99	85.23	3	2.688	—19 57 26.0	85.23	3	12.23	
1554	9	30 45.70	87.18	2	2.653	—21 35 44.2	87.18	2	12.26	O. A.
1555	9	30 48.24	86.20	3	2.694	—19 41 01.1	86.20	3	12.26	
1556	8	8 31 08.70	85.85	3	+2.674	—20 39 46.6	85.85	3	—12.28	O. A.
1557	9	31 11.36	86.69	2	2.653	—21 34 44.2	86.69	2	12.29	O. A.
1558	9.2	31 35.57	86.50	3	2.684	—20 13 59.5	86.67	4	12.32	O. A.
1559	9	32 15.65	86.54	3	2.672	—20 49 12.3	86.54	3	12.37	O. A.
1560	8	32 45.68	85.23	3	2.692	—19 54 39.0	85.23	3	12.40	Lal., O. A.
1561	9	8 32 54.35	86.67	4	+2.686	—20 12 57.4	86.67	4	—12.41	O. A.
1562	9	33 08.84	86.48	3	2.646	—22 06 48.3	86.66	4	12.42	O. A.
1563	9	33 10.08	86.16	2	2.653	—21 46 34.4	86.16	2	12.43	
1564	7.2	33 29.22	85.85	3	2.705	—19 20 02.0	85.85	3	12.45	Lal., Bonn VI. Note.
1565	9	33 40.96	86.50	3	2.686	—20 13 53.6	86.67	4	12.46	O. A.
1566	8	8 33 55.19	86.16	3	+2.656	—21 40 48.1	86.16	3	—12.48	O. A.
1567	6	34 05.99	86.16	3	2.644	—22 16 17.5	86.16	3	12.49	Lal., O. A. Proper motion.
1568	8	34 24.03	85.94	4	2.660	—21 31 16.3	85.94	4	12.51	O. A.
1569	8.8	34 48.67	85.57	3	2.672	—20 59 18.1	85.57	3	12.54	O. A.
1570	8.5	35 07.99	85.53	3	2.689	—20 13 10.3	85.53	3	12.56	O. A.
1571	8.5	8 35 18.06	86.63	2	+2.713	—19 02 17.5	86.63	2	—12.57	O. A.
1572	8	35 20.58	85.70	4	2.681	—20 36 21.8	85.70	4	12.57	Lal., Bonn VI.
1573	8.5	35 26.15	85.97	4	2.675	—20 53 37.2	85.97	4	12.58	O. A.
1574	8	35 36.73	85.69	4	2.685	—20 25 28.5	85.69	4	12.59	Lal., O. A.
1575	8.2	35 57.50	85.85	3	2.704	—19 30 26.7	85.85	3	12.62	O. A.
1576	8.5	8 36 09.47	86.48	3	+2.714	—19 02 40.4	86.48	3	—12.63	Lal., O. A.
1577	8.5	36 26.72	86.18	3	2.703	—19 34 54.7	86.18	3	12.65	O. A.
1578	7.5	36 29.62	86.16	3	2.658	—21 47 07.1	86.16	3	12.65	Lal., O. A.
1579	7.5	36 48.72	86.16	4	2.662	—21 37 06.1	86.16	4	12.67	Lal., O. A.
1580	7.7	37 28.38	86.48	3	2.655	—21 58 28.6	86.48	3	12.72	Lal., O. A.
1581	8.8	8 37 29.66	85.87	3	+2.672	—21 09 38.9	85.87	3	—12.72	
1582	9.3	37 48.00	86.50	3	2.691	—20 15 45.5	86.50	3	12.74	O. A.
1583	8.5	38 09.36	86.16	4	2.665	—21 35 03.3	86.16	4	12.76	
1584	8.5	38 23.21	85.85	3	2.684	—20 41 39.2	85.85	3	12.79	O. A.
1585	8	39 07.84	85.47	4	2.701	—19 51 04.4	85.47	4	12.83	Lal., Bonn VI.
1586	8	8 39 11.75	85.72	4	+2.673	—21 13 36.8	85.72	4	—12.83	O. A.
1587	9	39 12.55	86.50	3	2.690	—20 25 04.5	86.67	4	12.83	
1588	7.2	39 41.00	86.16	3	2.661	—21 52 52.5	86.16	3	12.87	
1589	7	39 46.88	85.70	4	2.684	—20 45 05.8	85.70	4	12.87	Lal., Bonn VI.
1590	8.5	39 50.89	86.16	2	2.694	—20 14 58.2	86.16	2	12.88	
1591	8.5	8 40 11.78	86.50	3	+2.693	—20 19 31.5	86.50	3	—12.90	
1592	9	40 30.03	86.49	3	2.663	—21 50 21.1	86.67	4	12.92	
1593	8.3	41 08.32	85.45	4	2.701	—20 00 34.0	85.45	4	12.96	Lal., O. A.
1594	9	41 49.15	86.20	3	2.677	—21 14 44.4	86.20	3	13.01	
1595	9	41 58.35	85.23	3	2.704	—19 54 08.9	85.23	3	13.02	Lal., O. A.
1596	8.2	8 42 31.51	86.50	3	+2.696	—20 21 58.0	86.50	3	—13.06	O. A.
1597	9	42 36.92	86.16	2	2.716	—19 21 34.2	86.16	2	13.06	O. A.
1598	8.5	43 15.73	85.94	4	2.675	—21 27 53.2	85.94	4	13.10	Lal., O. A., Tac.
1599	7	44 35.25	85.70	4	2.694	—20 37 11.2	85.70	4	13.19	Lal., O. A.
1600	7.8	45 15.33	85.70	4	2.693	—20 43 00.8	85.70	4	13.24	Lal., O. A.

Number.....	Magnitudes.	Mean R. A. 1885.0	Epoch.....	No. of Obs.	Ann. Prec...	Mean Declination. 1885.0	Epoch.....	No. of Obs.	Ann. Prec...	Authorities.
		H. M. S.			s.	° ′ ″			″	
1601	8.3	8 45 33.65	85.85	3	+2.694	−20 39 30.2	85.85	3	−13.25	Lal., O. A.
1602	9.5	45 43.00	87.17	2	2.672	−21 45 23.3	87.18	3	13.27	O. A.
1603	8	45 57.53	86.16	3	2.669	−21 55 43.5	86.16	3	13.28	Lal., O. A., Bonn VI.
1604	8	46 07.74	85.45	4	2.706	−20 05 18.7	85.45	4	13.29	Lal., Bonn VI.
1605	8.2	46 34.81	85.85	3	2.706	−20 10 08.8	85.85	3	13.33	Lal., O. A., Bonn VI. Note.
1606	9.2	8 46 49.60	86.67	2	+2.674	−21 49 28.7	86.67	2	−13.34	O. A.
1607	8.5	47 15.32	86.50	3	2.708	−20 06 05.4	86.50	3	13.37	Lal., O. A.
1608	8.5	47 16.17	85.72	4	2.689	−21 03 36.5	85.72	4	13.38	O. A.
1609	9.5	47 32.55	86.21	2	2.684	−21 17 42.2	86.54	3	13.39	O. A.
1610	9	47 47.21	86.16	3	2.674	−21 51 19.6	86.16	3	13.41	O. A.
1611	7.8	8 47 58.52	86.16	3	+2.677	−21 40 59.2	86.16	3	−13.42	O. A.
1612	8.5	48 38.79	85.85	3	2.701	−20 33 23.1	85.85	3	13.46	O. A.
1613	8.5	48 44.84	85.23	3	2.712	−19 59 38.3	85.23	3	13.47	Lal., O. A.
1614	8.7	49 08.16	85.72	2	2.685	−21 22 23.5	85.72	2	13.49	
1615	8.5	49 24.55	86.19	4	2.697	−20 47 52.3	86.19	4	13.51	
1616	9	8 50 15.00	85.87	3	+2.688	−21 18 25.8	85.87	3	−13.56	
1617	9	50 40.65	85.57	3	2.687	−21 23 13.4	85.57	3	13.59	
1618	9	50 47.53	86.50	3	2.706	−20 25 50.8	86.50	3	13.60	O. A.
1619	9	50 53.80	86.67	4	2.707	−20 25 38.4	86.67	4	13.60	
1620	8.5	51 30.70	86.48	3	2.734	−19 02 00.3	86.48	3	13.65	O. A.
1621	9	8 51 42.59	86.48	3	+2.675	−22 04 58.3	86.48	3	−13.66	Lal., O. A., Tac.
1622	9.2	53 25.05	86.16	2	2.715	−20 10 41.2	86.16	2	13.77	
1623	8.5	53 45.94	85.45	4	2.719	−20 01 28.4	85.45	4	13.79	O. A.
1624	8.5	54 35.23	86.16	3	2.688	−21 41 21.0	86.16	3	13.84	O. A.
1625	8.5	54 35.46	85.84	3	2.713	−20 21 49.3	85.84	3	13.84	Lal., O. A.
1626	7	8 54 46.60	86.65	2	+2.677	−22 14 42.3	86 65	2	−13.85	Lal., O. A.
1627	9	55 02.47	86.50	3	2.715	−20 17 24.3	86.50	3	13.87	O. A.
1628	8.2	55 16.40	86.15	2	2.682	−22 01 56.3	86 15	2	13.88	Lal., O. A.
1629	9.5	55 21.74	86.20	2	2.726	−19 45 58.1	86.20	2	13.89	
1630	7	55 27.19	85.80	5	2.707	−20 46 02.9	85.80	5	13.90	Lal., O. A.
1631	9	8 55 53.58	86.16	2	+2.692	−21 33 22.3	86.16	2	−13.92	
1632	8	55 54.22	86.63	2	2.743	−18 53 26.8	86.63	2	13.93	O. A.
1633	9	56 12.32	86.41	4	2.685	−21 56 42.4	86.41	4	13.94	O. A.
1634	8.5	57 09.05	85.80	5	2.708	−20 51 45.1	85.80	5	14.01	O. A.
1635	8	57 53.56	85.45	4	2.723	−20 05 32.5	85.45	4	14.05	Lal., Bonn VI.
1636	9.5	8 58 19.14	86.66	2	+2.693	−21 43 20.4	86.66	2	−14.08	O. A.
1637	8.5	58 20.46	85.87	3	2.715	−20 35 12.3	85 87	3	14.08	O. A.
1638	9	58 33.46	86.48	3	2.738	−19 22 07.6	86.48	3	14.09	O. A.
1639	9	59 03.95	86.16	3	2.698	−21 31 54.3	86.16	3	14.12	
1640	8.5	59 18.00	85.69	4	2.734	−19 36 35.8	85.69	4	14.14	Lal., Bonn VI.
1641	8.8	8 59 35.48	85.97	4	+2.710	−20 56 09.9	85.97	4	−14.16	O. A.
1642	8	59 38.19	85.70	4	2.717	−20 33 59.0	85.70	4	14.16	Lal., O. A.
1643	9	59 47.51	86.49	3	2.698	−21 35 04.7	86.16	2	14.17	
1644	9	59 50.22	86.17	2	2.715	−20 40 08.4	86.17	2	14.17	O. A.
1645	8.5	9 00 46.60	85.72	4	2.709	−21 04 20.9	85.72	4	14.23	O. A.
1646	9	9 00 55.96	85.55	3	+2.736	−19 38 51.4	85.55	3	−14.24	Lal., O. A.
1647	9	01 17.87	86.16	2	2.694	−21 55 05.6	86.16	2	14.26	O. A.
1648	9	02 07.12	85.23	3	2.734	−19 53 02.0	85.23	3	14.31	O. A.
1649	9	02 48.10	86.83	3	2.746	−19 17 34.6	86.83	3	14.35	O. A.
1650	9	03 32.41	86.16	3	2.705	−21 31 04.5	86.16	3	14.40	O. A.

Number.....	Magnitudes.	Mean R. A. 1885.0	Epoch.....	No. of Obs.	Ann. Prec...	Mean Declination. 1885.0	Epoch.....	No. of Obs.	Ann. Prec...	Authorities.
		H. M. S.			s.	° ′ ″			″	
1651	8.5	9 03 50.42	86.63	2	+2.753	—18 57 19.8	86.63	2	—14.42	
1652	7.5	03 56.41	85.84	3	2.726	—20 27 40.9	85.84	3	14.42	Lal., O. A.
1653	8	04 28.69	86.16	2	2.695	—22 08 12.5	86.16	2	14.45	Lal., O. A., Tac.
1654	8.5	04 35.80	86.16	2	2.748	—19 16 26.9	86.16	2	14.46	Lal., O. A.
1655	9	04 43.60	86.17	2	2.731	—20 15 24.3	86.17	2	14.47	
1656	8	9 04 50.37	85.72	4	+2.718	—20 57 01.6	85.72	4	—14.48	Lal., Bonn VI.
1657	9.5	05 27.98	86.17	2	2.733	—20 12 06.8	86.17	2	14.51	
1658	9	05 41.07	86.50	3	2.714	—21 16 00.2	86.50	3	14.53	O. A.
1659	9	08 23.21	86.74	2	2.754	—19 16 32.7	86.74	2	14.69	O. A.
1660	8.5	08 31.96	85.47	4	2.746	—19 45 17.5	85.47	4	14.70	Lal., O. A.
1661	9	9 08 33.61	86.54	3	+2.750	—19 30 21.5	86.71	4	—14.70	O. A.
1662	9	08 43.39	86.16	3	2.713	—21 35 50.9	86.16	3	14.71	
1663	9	08 57.02	85.94	4	2.718	—21 18 13.6	85.94	4	14.72	O. A.
1664	9	09 10.64	86 87	3	2.751	—19 31 34.5	86.96	4	14.74	O. A.
1665	7.7	09 39.39	86.16	3	2.710	—21 48 12.3	86.16	3	14.76	Lal., Bonn VI., Tac.
1666	8	9 09 45.60	85.55	3	+2.750	—19 38 38.6	85.55	3	—14.77	Lal., O. A.
1667	7.8	09 56.79	86.22	2	2.759	—19 07 09.9	86.54	3	14.78	Lal., O. A.
1668	8	10 40.38	85.72	4	2.726	—21 02 18.3	85.72	4	14.83	Lal., O. A.
1669	7.8	10 56.82	85.70	4	2.732	—20 43 08.9	85.70	4	14.84	Lal., O. A., Bonn VI.
1670	7.5	11 08.00	86.54	3	2.763	—18 58 45.5	86.54	3	14.85	Lal., O. A.
1671	8	9 11 37.74	86.17	3	+2.720	—21 28 29.7	86.17	3	—14.88	O. A.
1672	9.5	12 04.80	86.22	2	2.734	—20 45 01.7	86.22	2	14.91	
1673	7.5	12 08.38	85.80	5	2.732	—20 51 16.4	85.80	5	14.91	Lal., O. A., Bonn VI.
1674	9	12 20.22	86.54	3	2.764	—19 04 27.5	86.54	3	14.92	
1675	9	12 31.70	86.66	2	2.725	—21 16 47.6	86.66	2	14.93	O. A.
1676	9.2	9 12 38.15	86.74	2	+2.763	—19 09 20.0	86.74	2	—14.94	
1677	9	12 55.11	86.49	3	2.722	—21 29 48.2	86.49	3	14.96	
1678	8	12 58.39	86.66	2	2.709	—22 11 34.4	86.66	2	14.96	Lal., Bonn VI.
1679	9.2	13 00.40	86.74	2	2.766	—18 59 18.0	86.74	2	14.96	
1680	8	13 08.24	85.23	3	2.751	—19 53 12.9	85.23	3	14.97	O. A.
1681	8.5	9 13 16.92	85.57	3	+2.729	—21 07 20.3	85.57	3	—14.98	O. A.
1682	8.5	13 40.42	85.84	3	2.744	—20 18 13.9	85.84	3	15.00	O. A.
1683	7	13 56.06	86.49	3	2.713	—22 04 10.6	86.49	3	15.01	Lal., Bonn VI., Tac.
1684	8.8	15 02.89	85.90	3	2.736	—20 52 27.7	85.90	3	15.08	
1685	9.5	15 03.08	86.89	3	2.769	—19 01 13.3	86.98	4	15.08	
1686	8.5	9 15 39.74	85.94	4	+2.744	—20 29 35.7	85.94	4	—15.12	Lal., Bonn VI.
1687	8.5	16 41.00	86.50	3	2.750	—20 13 28.6	86.50	3	15.17	O. A.
1688	9	16 56.66	86.21	2	2.736	—21 02 47.2	86.21	2	15.19	O. A.
1689	9	17 17.81	86.19	4	2.743	—20 41 03.8	86.19	4	15.21	
1690	8.5	17 18.67	86.49	3	2.720	—22 01 41.7	86.49	3	15.21	Lal., Bonn VI.
1691	8.5	9 17 44.11	85.84	3	+2.747	—20 30 31.7	85.84	3	—15.23	Lal., O. A.
1692	8.5	17 49.86	86.17	3	2.731	—21 26 49.4	86.17	3	15.24	O. A.
1693	9	17 58.88	86.72	2	2.774	—18 56 07.6	86.89	3	15.25	
1694	7.2	17 58.92	85.70	4	2.747	—20 32 46.9	85.70	4	15.25	Lal., O. A.
1695	8.5	18 08.44	86.16	3	2.726	—21 44 16.4	86.16	3	15.26	
1696	7.7	9 18 19.14	85.94	4	+2.734	—21 19 46.3	86.17	3	—15.27	O. A.
1697	9	19 03.13	86.20	3	2.764	—19 38 18 6	86.46	4	15.31	
1698	9.5	19 20 23	86.72	2	2.774	—19 05 39.9	86.72	2	15.32	
1699	8.5	20 00.85	86.17	2	2.755	—20 16 37.8	86.17	2	15.36	O. A.
1700	8.5	20 07.98	86.50	3	2.749	—20 36 33.0	86.50	3	15.37	O. A.

Number.....	Magnitudes.	Mean R. A. 1885.0	Epoch.....	No. of Obs..	Ann. Prec...	Mean Declination. 1885.0	Epoch.....	No. of Obs..	Ann. Prec...	Authorities.
		H. M. S.			s.	° ′ ″			″	
1701	7.5	9 20 38.83	85.69	4	+2.756	—20 15 51.3	85.69	4	—15.40	Lal., O. A., Arm. 2.
1702	8.3	20 52.18	85.89	3	2.768	—19 35 47.9	85.89	3	15.41	
1703	9	20 52.43	86.49	3	2.733	—21 37 18.6	86 67	4	15.41	
1704	8.3	21 18.49	85.53	3	2.758	—20 13 30.1	85.53	3	15.44	O. A.
1705	9	21 19.11	86.66	2	2.738	—21 25 09.8	86.66	2	15.44	
1706	9	9 21 28.93	85.85	3	+2.759	—20 09 03.5	85.85	3	—15.44	O. A.
1707	9	21 42.44	86.17	3	2.737	—21 28 29.9	86.17	3	15.46	
1708	9	21 43.02	86.21	2	2.746	—20 57 31.2	86.21	2	15.46	O. A. [motion.
1709	5.5	22 02.73	86.16	3	2.732	—21 50 22.1	86.16	3	15.48	Lal., Bonn VI., Brux. Proper
1710	8.3	22 10.46	86.17	3	2.758	—20 16 43.0	86.17	3	15.48	O. A.
1711	8	9 22 39.37	86.49	3	+2.729	—22 01 43.9	86.49	3	—15.51	Lal., Bonn VI.
1712	8.5	23 14.15	86.54	3	2.780	—19 04 35.2	86.54	3	15.55	O. A.
1713	8.5	23 25.14	85.84	3	2.760	—20 17 53.4	85 84	3	15.55	Lal., O. A.
1714	8.5	23 41.74	85.23	2	2.767	—19 55 59.7	85.23	2	15.57	Lal., O. A.
1715	6	23 55.15	85.59	5	2.762	—20 14 50.1	85 59	5	15.58	Lal., O. A.
1716	9	9 24 10.85	86.16	3	2.740	—21 34 34.7	86 41	4	—15.60	
1717	9.2	24 36.52	86.83	3	2.737	—21 47 50.5	86.83	3	15.62	
1718	8.2	24 47.17	86.17	4	2.740	—21 38 17.6	86.17	4	15.63	
1719	8.5	24 54.12	86.54	3	2.783	—19 03 43.6	86.54	3	15.63	Lal., O. A.
1720	8.5	24 56.47	86.50	3	2.759	—20 29 57.1	86.82	3	15.63	O. A.
1721	8.7	9 24 58.12	86.22	2	+2.779	—19 17 54.1	86.22	2	—15.64	O. A.
1722	9.2	25 06.42	86.72	2	2.783	—19 05 50.1	86.72	2	15.65	O. A.
1723	8.5	25 13 65	85.84	3	2.760	—20 28 27.4	85.84	3	15.65	Lal., O. A.
1724	8	25 36.04	85.87	3	2.749	—21 12 44.3	85.87	3	15.67	
1725	9	25 37.72	86.50	3	2.760	—20 30 31.1	86.67	4	15.67	O. A.
1726	9	9 25 54.76	86.49	3	+2.740	—21 47 11.5	86.49	3	—15.69	
1727	8.2	26 24.24	85.87	3	2.756	—20 50 15 8	85.87	3	15.72	Lal., Bonn VI.
1728	8.7	26 54 54	86.53	3	2.768	—20 11 47.9	86.53	3	15.75	O. A.
1729	9	26 57.60	86.72	2	2.788	—18 57 13.3	86.75	2	15.75	Lal., Bonn VI.
1730	8.5	27 38.47	86.49	3	2.738	—22 03 38.9	86.83	3	15.78	
1731	8	9 27 41.04	86.16	2	2.739	—22 00 51.9	86.16	2	—15.78	
1732	8.5	27 55.40	87.26	2	2.769	—20 12 27.5	86.69	2	15.80	O. A.
1733	7.2	28 00.48	85.97	4	2.758	—20 52 57.4	85.97	4	15.80	Lal., O. A.
1734	9.5	28 21.58	86.65	2	2.739	—22 03 40.8	86.83	3	15.82	
1735	8.5	28 33.07	85.71	2	2.784	—19 23 08.9	85.89	3	15.83	
1736	8.8	9 29 13.33	86.49	3	+2.742	—22 00 40.6	86.49	3	—15.87	
1737	8.8	29 23.14	85.99	4	2.766	—20 35 06.9	86.22	5	15.88	Lal , O. A. Proper motion.
1738	9	30 02.04	86.54	3	2.791	—19 02 44.1	86.72	4	15.91	Lal., O. A.
1739	7	30 10.17	86.66	2	2.741	—22 10 22.0	86.66	2	15.92	Lal., O. A., Tac.
1740	7	30 12.90	86.54	3	2.791	—19 04 10.0	86.54	3	15.92	Lal., O. A.
1741	9.5	9 30 16.52	86.75	2	+2.791	—19 04 10.3	86.75	2	—15.92	
1742	9	30 20.79	86.87	3	2.769	—20 29 26.4	86.87	3	15.93	O. A., Yar.
1743	9.2	30 25.13	86.66	2	2.744	—21 59 38.1	86.66	2	15.93	
1744	8.5	30 30.84	86.17	3	2.754	—21 26 03.9	86.17	3	15.94	O. A., Bonn VI.
1745	9	30 39.83	85.23	2	2.777	—20 02 22.7	85.23	2	15.94	O. A.
1746	7.5	9 30 59.53	86.17	3	2.754	—21 28 58.0	86.17	3	—15.96	O. A., Bonn VI.
1747	8.5	31 01.29	85.51	4	2.772	—20 22 21.3	85.51	4	15.96	O. A., Yar.
1748	8	31 04.66	86.22	4	2.763	—20 56 58.8	86.22	4	15.97	Lal., O. A.
1749	8.8	31 16.84	86.16	3	2.747	—21 54 57.8	86.16	3	15.98	O. A.
1750	8	31 49.06	86.22	4	2.765	—20 53 03.5	86.22	4	16.01	Lal., O. A.

Number.....	Magnitudes.	Mean R. A. 1885.0	Epoch	No. of Obs..	Ann. Prec...	Mean Declination. 1885.0	Epoch	No. of Obs.	Ann. Prec...	Authorities.
		H. M. s.			s.	° ′ ″			″	
1751	9	9 32 55.30	86.54	3	+2.795	—19 06 37.9	86.54	3	—16.07	
1752	8.5	33 07.09	86.54	3	2.768	—20 50 43.3	86.54	3	16.08	O. A.
1753	9	33 12.62	86.22	2	2.775	—20 24 33.7	86.22	2	16.08	Yar.
1754	9	33 40.86	86.54	3	2.770	—20 46 43.0	86.54	3	16.11	O. A.
1755	8.5	34 26.44	86.22	2	2.799	—19 02 02.4	86.22	2	16.14	Lal., Bonn VI.
1756	9.5	9 34 44.04	86.72	2	+2.795	—19 17 49.7	86.72	2	—16.16	
1757	9	34 44.97	86.25	2	2.783	—20 05 17.9	86.25	2	16.16	O. A.
1758	8	35 20.21	86.22	4	2.768	—21 03 37.7	86.22	4	16.19	Lal., Bonn VI.
1759	8.5	36 09.59	85.87	3	2.767	—21 16 04.2	85.87	3	16.23	
1760	8.7	36 24.17	85.74	2	2.790	—19 49 33.3	86.24	3	16.25	
1761	9	9 36 30.73	86.73	2	+2.793	—19 38 46.2	86.73	2	—16.25	
1762	9	36 40.93	86.72	2	2.781	—20 23 45.4	86.72	2	16.26	O. A.
1763	8.5	37 02.20	85.24	3	2.789	—19 57 14.3	85.24	3	16.28	
1764	8	37 08.56	85.62	3	2.779	—20 36 29.3	85.62	3	16.28	Lal., O. A.
1765	9.5	37 42.24	86.72	2	2.804	—18 59 52.5	86.72	2	16.30	
1766	8	9 37 55.41	86.16	3	+2.762	—21 47 50.1	86.16	3	—16.32	
1767	9	38 05.25	86.66	4	2.765	—21 35 30.9	86.66	4	16.33	
1768	7	38 09.49	85.48	4	2.793	—19 50 22.9	85.48	4	16.33	O. A., Bonn VI.
1769	8.5	38 25.11	85.62	3	2.781	—20 37 44.2	85.62	3	16.35	Lal., O. A.
1770	8.5	38 33.86	86.66	2	2.756	—22 14 59.2	86.66	2	16.35	
1771	8.5	9 38 42.16	86.72	2	+2.806	—19 00 09.2	86.72	2	—16.36	O. A.
1772	7	39 19.53	86.66	2	2.758	—22 13 29.6	86.66	2	16.39	Lal., O. A.
1773	9	39 20.92	86.17	3	2.770	—21 25 45.1	86.17	3	16.39	
1774	8.2	39 25.72	86.72	2	2.809	—18 55 27.1	86.72	2	16.40	Bonn VI.
1775	9	39 34.80	86.66	2	2.763	—21 55 19.6	86.66	2	16.41	
1776	8.5	9 39 55.16	85.26	4	+2.791	—20 08 37.0	85.26	4	—16.42	Lal., Bonn VI.
1777	8.5	39 59.19	85.24	3	2.796	—19 48 36.6	85.24	3	16.43	Lal., Bonn VI. Note.
1778	8.5	40 17.03	86.22	2	2.808	—19 03 06.5	86.56	3	16.44	Lal., Bonn VI.
1779	9.2	40 19.25	86.72	2	2.806	—19 10 29.6	86.89	3	16.44	Lal., Bonn VI.
1780	9	40 35.53	85.73	2	2.776	—21 13 30.6	85.73	2	16.46	
1781	7.7	9 40 44.28	86.54	3	+2.807	—19 11 54.9	86.54	3	—16.46	Lal., Bonn VI.
1782	7.5	40 59.87	86.49	3	2.763	—22 07 20.6	86.49	3	16.48	Lal., O. A.
1783	8.5	41 08.77	86.16	3	2.768	—21 47 45.4	86.16	3	16.49	
1784	9	41 36.96	86.20	2	2.798	—19 50 41.6	86.23	4	16.51	O. A.
1785	8	41 48.66	85.87	3	2.779	—21 10 07.0	85.87	3	16.52	Lal., O. A.
1786	8.5	9 43 06.91	85.89	3	+2.807	—19 25 40.8	86.21	4	—16.59	O. A.
1787	8.2	43 16.80	86.66	2	2.767	—22 08 46.8	86.66	2	16.59	Lal., Bonn VI., Tac.
1788	7.5	43 30.08	86.17	3	2.777	—21 29 03.3	86.17	3	16.60	Lal., Bonn VI., Tac.
1789	9	43 33.41	86.48	4	2.787	—20 49 40.0	86.62	5	16.61	
1790	8.5	43 41.42	86.04	5	2.786	—20 54 09.1	86.04	5	16.61	Lal., O. A.
1791	8.2	9 43 42.98	86.22	2	+2.813	—19 06 39.8	86.22	2	—16.61	O. A.
1792	9	43 45.02	86.16	2	2.775	—21 40 34.9	86.16	2	16.61	
1793	9	44 03.54	86.24	2	2.786	—20 56 47.8	86.24	2	16.63	O. A.
1794	8.5	44 39.20	86.24	3	2.793	—20 35 36.3	86.24	3	16.65	
1795	9	45 19.46	86.23	3	2.795	—20 32 29.8	86.23	3	16.69	Lal., Bonn VI.
1796	8	9 45 22.71	85.27	3	+2.799	—20 13 56.7	85.27	3	—16.69	Lal., Bonn VI.
1797	9	45 26.62	85.72	4	2.809	—19 34 33.0	85.72	4	16.69	O. A.
1798	8.5	45 28 02	85.91	3	2.789	—20 55 30.8	86.22	4	16.69	
1799	8	45 40.47	85.53	4	2.795	—20 31 44.3	85.53	4	16.71	Lal., Bonn VI.
1800	8	46 07.35	86.54	3	2.817	—19 07 36.4	86.54	3	16.73	O. A.

Number.....	Magnitudes.	Mean R. A. 1885 o	Epoch.....	No. of Obs..	Ann. Prec...	Mean Declination. 1885.o	Epoch.....	No. of Obs..	Ann. Prec...	Authorities.
		H. M. S.			s.	o ′ ″			″	
1801	8.3	9 46 25.80	85.89	3	+2.812	—19 30 12.4	85.89	3	—16 74	Lal., O. A.
1802	9	46 26.45	86.72	2	2.816	—19 13 13 2	86.89	3	16.74	O. A.
1803	9.5	48 04.16	86.72	2	2.800	—20 29 25.7	86.72	2	16.82	
1804	9	48 04.95	86.66	2	2.775	—22 13 50.0	86 66	2	16.82	
1805	7.7	48 08.66	86.72	2	2.823	—18 56 34.9	86.72	2	16.83	Lal., O. A.
1806	9	9 48 30.29	86.65	2	+2.779	—21 59 16.6	86 65	2	—16.84	O. A.
1807	9	48 33.20	86.54	3	2.819	—19 17 14.9	86.54	3	16.84	O. A., Bonn VI.
1808	9	48 57.01	85.48	4	2.813	—19 44 56.2	85.48	4	16.87	O. A.
1809	9.2	49 18.41	86.68	2	2.786	—21 38 45.8	86.68	2	16 88	
1810	8.3	49 45.70	85.51	3	2.785	—21 47 32.7	85.51	3	16.90	Lal., O. A., Tac.
1811	8	9 50 04.16	85.89	3	+2.819	—19 26 04.5	86.21	4	—16.91	O. A.
1812	7.8	50 18.94	86.54	3	2.824	—19 07 55.8	86.54	3	16.93	Bonn VI.
1813	8	50 23.33	85.26	4	2.809	—20 11 57.3	85 26	4	16.93	Lal., Bonn VI.
1814	9.2	50 32.43	85.91	3	2.798	—20 56 50.1	86.22	4	16.94	
1815	9	50 35.71	86.76	2	2.820	—19 24 29.3	86.76	2	16.94	O. A.
1816	8.5	9 50 49.09	86.54	3	+2.824	—19 10 03.4	86.54	3	—16.95	Lal., Bonn VI.
1817	8.2	51 11.59	85.62	3	2.803	—20 42 31.8	85.62	3	16.97	Lal., Bonn VI.
1818	9.2	51 12.73	86.67	2	2.786	—21 53 10.1	86.67	2	16.97	
1819	7.5	52 24.07	85.62	3	2.806	—20 37 59.3	85.62	3	17.02	Lal., O. A.
1820	9	53 09.51	86.87	3	2.807	—20 40 38.3	86.87	3	17.06	O. A.
1821	8.5	9 53 19.15	85.18	3	+2.792	—21 46 24.6	85.18	3	—17.07	O. A.
1822	8.5	53 42.69	85.43	4	2.795	—21 38 22.0	85.43	4	17.09	O. A.
1823	9	53 43.13	86.20	3	2.802	—21 07 15.4	86.20	3	17.09	O. A.
1824	8.5	53 53.88	85.72	4	2.823	—19 37 22.5	85.55	3	17.09	Lal., Bonn VI., Wash. '82.
1825	9.3	54 21.04	86.20	3	2.805	—21 00 34.0	86.20	3	17.12	O. A.
1826	9	9 55 54.66	86.93	3	+2.834	—19 07 18.1	86.76	2	—17.19	
1827	8	55 54.91	85.18	2	2.791	—22 12 47.3	85.18	2	17.19	
1828	8	57 25.14	85.52	3	2.803	—21 32 46.8	85.52	3	17.25	O. A.
1829	9	57 29.00	86.72	2	2.821	—20 16 30.8	86.72	2	17.25	Lal., O. A.
1830	8	57 48.56	85.52	4	2.820	—20 22 27.9	85.52	4	17.27	Lal., O. A., Tac.
1831	9	9 58 51.70	86.76	2	+2.842	—18 53 02.6	86.76	2	—17.32	Lal., O. A.
1832	8	58 56.41	85.18	2	2.800	—22 00 12.4	85.18	2	17.32	O. A., Tac.
1833	9	59 34.09	85.57	3	2.814	—21 04 41.0	85.57	3	17.35	
1834	8.5	59 55.66	85.91	3	2.818	—20 47 49 6	86.22	4	17.37	
1835	9	10 00 28.71	85.24	3	2.830	—19 59 10.4	85.24	3	17.39	
1836	7.5	10 00 43.64	85.52	4	+2.825	—20 23 19.9	85.52	4	—17.40	Lal., O. A., Arm. 2.
1837	8.2	01 07.36	85.77	2	2.822	—20 43 32.0	85.77	2	17.42	Lal., O. A.
1838	9	01 33.28	86.73	2	2.842	—19 14 37.7	86.73	2	17.43	O. A.
1839	7.5	01 55.29	86.54	3	2 844	—19 08 53.1	86.54	3	17.45	Lal., O. A.
1840	8	02 08.91	85.18	3	2.808	—21 55 46.4	85.18	3	17.46	O. A.
1841	9	10 02 41.42	85.24	3	+2.834	—19 57 44.5	85.24	3	—17.48	O. A.
1842	9	02 50.34	85.19	2	2.811	—21 45 37.2	85.19	2	17.49	O. A.
1843	7.2	02 55.10	86.22	2	2.845	—19 10 57.3	86.22	2	17 49	Lal., O. A. Proper motion.
1844	9.2	03 06.17	86.77	2	2.824	—20 48 54.7	86.78	2	17.50	
1845	9	03 23.65	86.20	3	2.820	—21 11 32.8	86.20	3	17.52	
1846	8.5	10 04 15.23	85.85	3	+2.815	—21 41 24.4	85.85	3	—17.55	
1847	9.5	04 19.04	86.72	2	2.845	—19 24 36.6	86.90	3	17.55	O. A. [motion.
1848	8.5	04 21.46	86.20	3	2.823	—21 06 37.4	86.20	3	17.56	Lal., Bonn VI., Tac. Proper
1849	9.2	05 30.80	86.69	2	2.847	—19 23 26.4	86.88	3	17.60	O. A.
1850	9	05 32.67	86.28	2	2.838	—20 04 28.1	86 60	3	17.60	

Number.....	Magnitudes.	Mean R. A. 1885.0	Epoch.....	No. of Obs.	Ann. Prec...	Mean Declination. 1885.0	Epoch.....	No. of Obs.	Ann. Prec...	Authorities.
		H. M. S.			s.	° ′ ″			″	
1851	9	10 05 41.82	86.26	4	+2.837	—20 14 26.1	86.26	4	—17.61	
1852	9	05 43.81	86.22	3	2.844	—19 39 43.8	86 48	4	17.61	
1853	9	06 27.41	85.18	2	2.815	—22 03 52.8	85.18	2	17.64	O. A., Tac.
1854	8	06 31.38	85.62	3	2.832	—20 42 58.6	85.62	3	17.64	Lal., Bonn VI., Tac.
1855	8.5	06 47.92	86.72	2	2.854	—18 59 07.3	86.72	2	17.66	Lal., O. A.
1856	7.2	10 07 32.63	86.22	2	+2.854	—19 07 15.8	86.22	2	—17.69	Lal., O. A., Bonn VI.
1857	9	08 37.04	86.17	2	2.825	—21 35 06.7	86.17	2	17.73	
1858	9	08 42.88	86.17	2	2.827	—21 28 23.0	86.17	2	17.73	
1859	9	09 12.14	86.20	3	2.832	—21 09 27.1	86.20	3	17.75	O. A.
1860	9	10 11.35	86.54	3	2.857	—19 16 09.9	86.54	3	17.79	O. A.
1861	8.5	10 11 15.74	85.18	3	+2.827	—21 54 38.6	85.18	3	—17 84	O. A.
1862	7.2	11 18.64	85.26	4	2.849	—20 05 43.6	85.26	4	17.84	Lal., O. A., Bonn VI., Tac.
1863	9	11. 22.02	86.26	4	2.851	—19 55 13.1	86.26	4	17.84	Lal., O. A.
1864	7	12 14.10	85.73	4	2.840	—21 00 59.0	85.73	4	17.87	
1865	7.5	12 25.52	85.62	3	2.847	—20 27 03.4	85.62	3	17.88	Lal., Bonn VI., Tac.
1866	9	10 12 58.44	85.18	2	+2.827	—22 10 53.9	85.18	2	—17.91	O. A.
1867	9	13 31.04	85.48	4	2.857	—19 44 06.8	85 48	4	17.93	O. A.
1868	8.3	13 39.11	85.55	3	2.838	—21 23 28.0	85.55	3	17.94	Lal., Bonn VI.
1869	8	14 22.63	85.18	3	2.833	—21 56 48.0	85.69	4	17.96	
1870	9.2	14 28.60	86.94	3	2.847	—20 46 15.2	86.94	3	17.96	
1871	8.8	10 14 34.55	85.62	3	+2.849	—20 38 51.8	85 62	3	—17.97	
1872	9	15 47.14	86.27	3	2.855	—20 18 08.6	86.27	3	18.02	O. A.
1873	7	16 09.62	85.69	4	2.837	—21 57 00.6	85.69	4	18.03	
1874	7.5	16 32.16	85.24	3	2.860	—19 59 46.2	85.24	3	18.05	
1875	8	16 41.34	85.62	3	2.852	—20 41 47.0	85.62	3	18.05	Lal., O. A., Tac. Note.
1876	6.8	10 16 43.03	86.54	3	+2.869	—19 17 13.7	86.54	3	—18.05	Lal., Bonn VI.
1877	9	17 40.13	86.54	3	2.873	—19 08 52.1	86.54	3	18 09	
1878	8.5	18 09.47	85.54	3	2 867	—19 39 21.0	85.54	3	18.10	Lal., O. A.
1879	9	18 14.20	86.90	3	2 871	—19 20 22.1	86.90	3	18.11	O. A.
1880	9	18 37.40	86.77	2	2.873	—19 11 57.0	86.90	3	18.12	O. A., Bonn VI.
1881	9	10 18 56.00	86.77	2	2.872	—19 23 33.1	86.90	3	—18.13	O. A.
1882	8.7	19 02.12	86.19	2	2.843	—21 53 44.1	86 55	3	18.14	O. A.
1883	8.5	19 14.74	85.91	3	2.855	—20 56 43.8	85.91	3	18.15	Lal., Bonn VI.
1884	9.2	19 32.41	86.60	3	2.866	—20 01 30.8	86.77	4	18.16	
1885	8.5	19 45.29	86.72	2	2.875	—19 13 11.3	86.90	3	18.16	Lal., O. A.
1886	7.5	10 20 05.00	86.22	2	+2.878	—19 00 58.0	86.22	2	—18.18	Lal., O. A.
1887	7.5	20 06.60	85.46	4	2.852	—21 22 11.2	85.46	4	18.18	Lal., O. A., Tac.
1888	7.5	20 20.85	85.48	4	2.870	—19 44 30.8	85.48	4	18.19	Lal., Bonn VI.
1889	8.5	20 48.80	85.79	2	2.864	—20 24 39.6	85.79	2	18.21	Lal., Bonn VI., Tac.
1890	9	21 07.08	86.23	2	2.856	—21 10 03.0	86.58	3	18.22	O. A.
1891	8.5	10 21 07.20	85.48	4	+2.870	—19 52 05.1	85.48	4	—18.22	Lal., Bonn VI., Tac.
1892	8.5	21 57.37	85.76	4	2.861	—20 51 20.6	85.76	4	18.25	
1893	8	22 08.12	85 76	4	2.862	—20 50 45.0	85.76	4	18.25	
1894	8.5	22 25.57	85.55	3	2.859	—21 08 49.3	85.55	3	18.26	Lal., O. A., Tac.
1895	8.5	22 28.18	85.55	3	2.859	—21 06 56.3	85.55	3	18.26	Lal., O. A., Tac. Proper motion.
1896	7	10 23 04.89	86.72	2	+2.884	—18 56 12.0	86 72	2	—18.29	Lal., O. A.
1897	9	23 09.47	86.94	3	2.862	—20 56 49.0	86.78	2	18.29	O. A.
1898	8.5	23 33.23	85.85	3	2.855	—21 39 58.0	86.20	4	18.30	Lal., O. A., Tac.
1899	8.2	23 39.84	86.19	2	2.852	—22 00 22.7	86.19	2	18.30	
1900	7.5	24 09.81	85.43	4	2.857	—21 39 32.6	85.43	4	18.32	Lal., O. A., Tac.

Number.....	Magnitudes.	Mean R. A. 1885.0	Epoch.....	No. of Obs..	Ann. Prec...	Mean Declination. 1885.0	Epoch.....	No. of Obs..	Ann. Prec...	Authorities.
		H. M. S.			S.	° ′ ″			″	
1901	7.5	10 24 13.37	85.52	3	+2.859	—21 27 23.4	85.52	3	—18.32	Lal., Bonn VI.
1902	9.3	24 15.86	85.92	3	2.873	—20 12 06.6	86.26	4	18.32	O. A.
1903	9	24 42.61	85.25	2	2.876	—20 00 34.5	86.25	4	18.34	O. A. Note.
1904	9	24 49.05	86.22	2	2.881	—19 16 15.6	86.22	2	18.35	O. A.
1905	9	25 15.11	86.54	3	2.882	—19 30 54.3	86.75	4	18.37	
1906	8.5	10 25 22.13	86.28	3	+2.870	—20 37 24.1	86.28	3	—18.37	O. A.
1907	9	25 32.54	86.94	3	2.871	—20 38 20.2	86.94	3	18.37	O. A.
1908	9.2	25 43.03	86.76	2	2.885	—19 16 41.2	86.76	2	18.38	
1909	8.8	26 16.08	86.25	4	2.866	—21 14 27.7	86.25	4	18.40	
1910	8.3	26 22.83	85.52	3	2.862	—21 36 17.8	85.52	3	18.41	
1911	9	10 26 28.56	85.57	3	+2.882	—19 45 17.3	85.57	3	—18.41	
1912	9.5	27 21.23	86.72	2	2.887	—19 27 26.7	86.72	2	18.44	
1913	7.3	27 25.36	85.18	3	2.861	—21 56 11.2	85.18	3	18.44	
1914	9	27 44.49	86.50	4	2.869	—21 12 01.4	86.50	4	18.45	O. A.
1915	8.5	27 55.67	85.18	2	2.861	—21 59 34.0	85.18	2	18.46	
1916	8.5	10 27 58.71	85.72	4	+2.886	—19 35 19.5	85.72	4	—18.46	
1917	8	29 11.77	85.43	4	2.868	—21 36 34.4	85.43	4	18.50	Lal., Bonn VI., Tac.
1918	9.3	29 17.23	86.77	4	2.882	—20 14 56.9	86.77	4	18.50	
1919	9	29 53.02	86.26	4	2.888	—19 47 54.5	86.26	4	18.52	
1920	9	30 18.17	85.77	2	2.876	—21 02 16.9	85.77	2	18.54	O. A.
1921	9	10 30 24.40	85.91	3	+2.878	—20 51 13.2	86.45	5	—18.54	O. A.
1922	9.2	30 30.04	86.57	3	2.875	—21 14 19.4	86.25	4	18.55	O. A.
1923	8.2	31 15.45	85.92	3	2.896	—19 17 46.2	85.92	3	18.57	O. A.
1924	7.5	31 20.85	85.19	2	2.868	—22 04 10.5	85.19	2	18.57	Lal., Bonn VI., Tac.
1925	8.7	31 42.37	85.88	3	2.879	—21 04 49.3	86.23	4	18.58	O. A.
1926	8.5	10 32 07.65	85.49	4	+2.893	—19 42 03.3	85.49	4	—18.60	Lal., Bonn VI., Tac.
1927	9	32 26.53	86.76	4	2.889	—20 12 56.4	86.60	3	18.61	O. A.
1928	9.5	32 55.67	86.61	3	2.879	—21 16 57.4	86.61	3	18.62	
1929	8.5	33 12.99	85.24	3	2.893	—19 58 43.1	85.24	3	18.63	Lal., O. A., Tac.
1930	8.2	33 17.30	86.22	2	2.902	—19 00 05.5	86.22	2	18.63	
1931	9	10 33 35.46	86.72	2	+2.902	—19 08 04.3	86.72	2	—18.65	
1932	8.5	33 57.01	85.62	3	2.891	—20 15 07.2	85.62	3	18.65	Lal., Bonn VI., Tac.
1933	7.5	34 11.19	85.19	3	2.876	—21 55 56.6	85.19	3	18.66	Lal., O. A., Tac.
1934	9.2	34 59.86	85.77	2	2.887	—20 58 12.3	85.77	2	18.69	O. A.
1935	9.5	34 59.97	86.72	2	2.906	—18 59 32.8	86.72	2	18.69	O. A.
1936	9.5	10 36 37.15	86.78	2	+2.892	—20 48 08.9	86.78	2	—18.74	
1937	8	36 48.40	85.26	4	2.900	—20 00 04.3	85.26	4	18.75	Lal., O. A., Tac.
1938	9.5	37 05.20	86.74	4	2.885	—21 37 03.0	86 74	4	18.75	
1939	8.5	37 22.23	85.19	3	2.883	—21 54 19.6	85.19	3	18.76	
1940	9	39 16.68	86.55	3	2.887	—21 56 17.5	87.23	2	18.82	O. A.
1941	8.7	10 39 44.09	86.90	3	+2.914	—19 05 21 8	86.72	2	—18.84	O. A.
1942	8.7	40 16 25	86.72	2	2.914	—19 06 14.3	86.72	2	18.85	O. A.
1943	8.5	40 18.01	85.62	3	2.903	—20 22 00 4	85.62	3	18.86	Lal., Bonn VI., Tac.
1944	8.5	40 19.41	85.92	3	2.915	—19 02 42.4	85 92	3	18.86	O. A.
1945	8.7	40 27.01	86.72	2	2.913	—19 15 24.6	86.90	3	18.86	
1946	7.2	10 40 53.46	85.92	3	+2.915	—19 09 22.4	85.92	3	—18.87	Lal., O. A., Bonn VI., Tac.
1947	9	41 21.40	86.90	3	2.915	—19 16 31.8	86.90	3	18.88	O. A.
1948	9	41 36.33	86.45	5	2.901	—20 54 59.9	86.59	6	18.89	
1949	8.2	41 51.21	85.55	3	2.899	—21 14 23.2	85.55	3	18.90	
1950	8.5	41 58.84	85.19	3	2.894	—21 44 30.3	85.19	3	18.90	O. A.

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		H. M. S.			s.	° ′ ″			″	
1951	8	10 42 18.40	85.45	5	+2.913	—19 44 01.2	85.45	5	—18.91	Lal., Bonn VI., Tac.
1952	8	42 44.71	85.53	4	2.906	—20 34 06.6	85.53	4	18.92	Lal., Bonn VI., Tac.
1953	9	43 56.38	86.59	3	2.900	—21 33 27.2	86.59	3	18.96	O. A.
1954	9	44 44.40	86.27	3	2.909	—20 46 42.1	86.27	3	18.98	O. A.
1955	9.2	44 49.43	86.93	3	2.919	—19 35 02.0	86.76	2	18.98	
1956	8.5	10 45 08.01	85.66	5	+2.921	—19 25 34.8	85.66	5	—18.99	
1957	7.7	45 39.78	85.76	4	2.910	—20 54 51.2	85.76	4	19.01	Lal., O. A., Tac.
1958	7	46 02.10	85.53	4	2.913	—20 38 23.3	85.53	4	19.02	Lal., O. A., Tac.
1959	7.7	46 06.86	85.52	3	2.906	—21 27 47.1	85.52	3	19.02	O. A., Bonn VI. Proper motion.
1960	8	47 16.55	86.72	2	2.929	—18 57 03.7	86.72	2	19.05	
1961	7.5	10 47 29.24	85.27	4	+2.921	—20 00 30.3	85.27	4	—19.05	[Proper motion. Lal., O. A., Tac., Brux., Rad. '82, '88.
1962	9.5	47 31.78	86.23	2	2.909	—21 24 46.6	86.23	2	19.05	
1963	9.2	48 13.18	86.77	2	2.919	—20 28 57.5	86.77	2	19.08	
1964	8.2	48 51.40	85.76	4	2.927	—19 37 20.5	85.76	4	19.10	Lal., O. A., Tac., Brux.
1965	9.5	48 56.04	86.79	2	2.917	—20 47 57.0	86.79	2	19.10	
1966	8.7	10 49 32.18	86.19	2	+2.906	—22 18 46.2	86.19	2	—19.11	Lal., O. A.
1967	7	49 34.78	85.28	5	2.925	—20 03 07.0	85.28	5	19.12	Lal., Bonn VI., Tac.
1968	9	50 05.37	86.61	3	2.919	—20 54 07.9	86.27	3	19.13	
1969	8.7	50 29.08	86.77	2	2.923	—20 30 49.2	86.77	2	19.14	
1970	9	50 32.35	86.79	2	2.923	—20 29 47.8	86.79	2	19.14	
1971	8.7	10 50 32.82	86.19	2	+2.909	—22 16 15.8	86.19	2	—19.14	
1972	9	50 45.87	86.28	2	2.928	—19 59 04.6	86.72	4	19.14	
1973	7.5	51 00.98	85.62	3	2.923	—20 39 41.4	85.62	3	19.15	
1974	7.5	51 16.08	85.46	4	2.917	—21 25 10.6	85.46	4	19.16	Lal., Bonn VI., Tac.
1975	9	51 22.79	86.79	2	2.922	—20 57 23.5	86.79	2	19.16	
1976	7.5	10 52 18.86	85.46	4	+2.920	—21 24 24.0	85.46	4	—19.19	Lal., O. A., Tac.
1977	9	53 14.64	85.97	3	2.937	—19 26 15.2	85.97	3	19.21	
1978	7.2	53 17.55	85.77	2	2.940	—18 59 11.0	85.77	2	19.21	Lal., Bonn VI.
1979	9.5	53 23.82	85.92	3	2.923	—21 20 13.9	85.92	3	19.21	O. A.
1980	9	53 25.00	86.77	2	2.929	—20 33 19.4	86.77	2	19.21	O. A.
1981	8.2	10 53 48.30	85.52	4	+2.931	—20 25 48.7	85.52	4	—19.22	O. A.
1982	8.5	54 09.32	85.77	2	2.929	—20 43 15.3	85.77	2	19.23	
1983	8.5	54 30.52	85.62	3	2.939	—19 25 57.6	85.62	3	19.24	O. A.
1984	8.5	55 05.76	85.28	2	2.939	—19 41 55.4	85.28	2	19.25	O. A.
1985	9	55 27.93	86.77	2	2.931	—20 52 20.8	86.77	2	19.26	
1986	9	10 55 35.37	86.79	2	+2.933	—20 33 22.2	86.79	2	—19.27	
1987	9.5	55 47.03	86.75	2	2.944	—19 11 32.5	86.75	2	19.27	O. A.
1988	8	56 05.72	85.62	3	2.943	—19 26 25.5	85.62	3	19.28	Lal., O. A., Bonn VI., Tac.
1989	8	56 10.65	85.98	4	2.930	—21 13 27.5	85.98	4	19.29	Lal., Bonn VI., Tac.
1990	8.7	56 22.90	86.28	3	2.933	—20 52 37.9	86.28	3	19.29	
1991	8.5	10 56 25.56	85.88	3	+2.929	—21 32 02.1	86.24	4	—19.29	Lal., Bonn VI., Tac.
1992	8	56 31.02	85.23	2	2.930	—21 15 47.4	85.23	2	19.29	Lal., Bonn VI., Tac.
1993	7.5	56 49.20	85.76	4	2.934	—20 47 35.5	85.76	4	19.30	
1994	9	57 58.34	86.79	2	2.936	—20 57 11.0	86.79	2	19.32	
1995	7	58 14.92	86.27	3	2.950	—19 01 47.9	86.27	3	19.33	Lal., O. A.
1996	9.2	10 58 17.23	85.94	3	+2.942	—20 08 02.9	86.27	4	—19.33	
1997	9	58 47.73	86.27	3	2.942	—20 19 28.3	86.27	3	19.34	
1998	8.2	58 53.41	85.62	3	2.941	—20 30 21.3	85.62	3	19.34	Lal., Bonn VI., Tac.
1996	8.5	59 00.88	85.19	2	2.929	—22 09 48.6	85.19	2	19.34	O. A.
2000	8.5	59 21.93	85.85	3	2.933	—21 46 03.8	85.85	3	19.35	

Number.....	Magnitudes.	Mean R. A. 1885.0	Epoch.....	No. of Obs..	Ann. Prec...	Mean Declination. 1885.0	Epoch.....	No. of Obs..	Ann. Prec...	Authorities.
		H. M. S.			s.	° ′ ″			″	
2001	8.7	11 00 02.50	86.23	2	+2.936	—21 28 43.3	86.23	2	—19.37	O. A.
2002	8	00 10.74	85.29	4	2.948	—19 47 12.9	85.29	4	19.37	Lal., O. A., Tac.
2003	8.5	00 26.68	86.23	2	2.937	—21 28 11.3	86.23	2	19.38	O. A.
2004	7.5	00 54.14	85.53	4	2.945	—20 32 43.6	85.53	4	19.39	Lal., O. A., Tac.
2005	8	00 57.08	85.28	3	2.948	—20 04 34.4	85.28	3	19.39	O. A.
2006	8.5	11 02 25.56	85.96	4	+2.937	—22 13 08.0	85.96	4	—19.42	
2007	7.2	02 31.48	85.76	4	2.946	—20 53 47.4	85.76	4	19.43	Lal., O. A., Tac.
2008	8.5	02 57.66	86.23	2	2.942	—21 32 14.2	86.23	2	19.43	O. A., Tac.
2009	8	03 03.49	85.59	3	2.956	—19 26 02.0	85.59	3	19.44	Lal., Bonn VI.
2010	7	03 15.83	86.95	3	2.961	—18 47 32.4	86.95	3	19.44	Lal., O. A.
2011	7.8	11 03 25.31	85.30	5	+2.954	—19 53 26.5	85.30	5	—19.44	Lal., Bonn VI., Tac.
2012	9	04 26.20	86.22	3	2 941	—22 13 13.0	86.22	3	19.46	O. A., Tac., Brux.
2013	9.2	04 39.35	86.27	2	2.957	—19 46 44.0	86.60	3	19.47	
2014	9	05 53.58	86.30	2	2.961	—19 32 55.4	86.30	2	19.50	
2015	8	06 12.95	85.48	5	2.962	—19 31 26.2	85.48	5	19.50	Lal., Bonn VI., Tac.
2016	8	11 06 22.77	86.27	3	+2.955	—20 42 32.0	86.27	3	—19.51	O. A.
2017	8.3	06 31.80	85.53	4	2.956	—20 35 41.2	85.53	4	19.51	O. A.
2018	8.5	06 34.13	86.79	2	2.956	—20 39 41.2	86.79	2	19.51	O. A.
2019	8.5	06 34.92	86.79	2	2.956	—20 40 30.9	86.79	2	19.51	O. A.
2020	6.8	06 54.34	85.55	3	2.954	—21 07 27.1	85.55	3	19.52	Lal., O. A., Tac.
2021	8.7	11 06 56.61	85.77	2	+2.966	—19 04 10.8	85.77	2	—19.52	
2022	8.2	07 28.00	85.29	4	2.962	—19 55 13.3	85.29	4	19.53	O. A.
2023	8	07 39.88	85.52	3	2.954	—21 24 42.4	85.52	3	19.53	O. A.
2024	8.5	07 55.71	85.29	4	2.964	—19 49 29.4	85.29	4	19.54	O. A.
2025	8.2	08 01.90	85.75	2	2.949	—22 22 25.9	86.25	3	19.54	Lal., Bonn VI., Tac.
2026	8.5	11 09 01.43	85.92	3	+2.965	—20 01 44.1	86.26	4	—19.56	
2027	9	09 23.32	86.75	2	2.972	—18 58 46.3	86.75	2	19.57	Lal., O. A., Tac.
2028	9.2	09 24.78	85.75	2	2.956	—21 41 16.4	86.26	3	19.57	O. A.
2029	7.2	09 35.60	85.77	2	2.972	—19 00 36.6	85.77	2	19.57	Lal., O. A., Tac.
2030	8	10 03.00	85.56	3	2.954	—22 17 25.0	85.75	2	19.58	Lal., Bonn VI., Tac.
2031	9	11 10 20.48	85.32	2	+2.970	—19 31 35.2	85.32	2	—19.58	
2032	8.7	10 32.02	85.55	3	2.960	—21 22 33.9	85.55	3	19.59	O. A.
2033	7.8	10 33.82	85.29	5	2.968	—20 03 42.3	85.29	5	19.59	Lal., Bonn VI., Tac.
2034	8.7	10 42.99	85.55	3	2.961	—21 22 33.9	85.55	3	19.59	O. A.
2035	8.7	11 05.85	85.91	3	2.962	—21 15 06.4	85.91	3	19.60	O. A.
2036	8.2	11 11 47.02	85.29	4	+2.970	—20 08 19.8	85.29	4	—19.61	Lal., O. A., Tac.
2037	7.5	12 05.86	85.52	3	2.963	—21 31 03.1	85.96	4	19.61	Lal., O. A., Tac.
2038	8	12 14.21	85.18	3	2.962	—21 48 10.1	85.18	3	19.62	O. A.
2039	8	13 26.34	85.48	5	2.976	—19 35 47.9	85.48	5	19.64	
2040	8	13 44.38	85.91	3	2.970	—20 48 12.6	85.91	3	19.64	Lal., Bonn VI.
2041	8.5	11 13 58.32	85.56	3	+2.967	—21 35 43.5	85.99	4	—19.65	
2042	8	14 03.83	86.27	2	2.969	—21 16 19.1	86.27	2	19.65	
2043	8.5	14 04.36	85.55	4	2.974	—20 21 06.7	85.55	4	19.65	Lal., Bonn VI.
2044	8	14 27.43	86.75	2	2.982	—18 56 44.4	86.75	2	19.66	Lal., Bonn VI.
2045	8.8	14 40.89	85.31	3	2.976	—20 02 43.6	85.31	3	19.66	Lal., O. A., Tac.
2046	9	11 15 41.98	85.29	4	+2.980	—19 49 11.9	85.29	4	—19.68	Lal., O. A., Tac.
2047	8.7	16 03.78	85.29	4	2.980	—19 52 33.9	85.29	4	19.69	Lal., O. A., Tac.
2048	7.5	16 03.80	85.46	4	2.972	—21 28 32.5	85.46	4	19.69	O. A.
2049	8.3	17 00.62	85.77	2	2.985	—19 14 08.6	86.27	3	19.70	
2050	9	17 01.64	86.23	2	2.974	—21 27 33.5	86.58	3	19.70	O. A.

Number.....	Magnitudes.	Mean R. A. 1885.0	Epoch.....	No. of Obs..	Ann. Prec...	Mean Declination. 1885.0	Epoch.....	No. of Obs..	Ann. Prec...	Authorities.
		H. M. S.			s.	° ′ ″			″	
2051	9	11 17 32.64	86.77	2	+2.986	—19 21 22.5	86.94	3	—19.71	
2052	8	18 08.32	85.62	3	2.981	—20 37 52.4	85.62	3	19.72	Lal., O. A., Tac.
2053	8.5	18 08.80	85.77	2	2.987	—19 16 35.2	85.77	2	19.72	
2054	9	18 14.14	86.92	3	2.986	—19 32 08.0	87.01	4	19.72	
2055	8	18 41.28	85.52	3	2.978	—21 27 22.6	85.52	3	19.73	Lal., Bonn VI., Tac.
2056	8	11 19 04.95	85.55	3	+2.975	—22 12 06.8	85.55	3	—19.73	Lal., O. A., Tac.
2057	9	19 34.08	85.61	3	2.984	—20 37 35.4	85.61	3	19.74	
2058	8.5	19 46.89	85.61	3	2.985	—20 35 45.6	86.02	4	18.74	Lal., Bonn VI., Tac.
2059	7	20 18.16	85.29	5	2.989	—19 56 57.8	85.29	5	19.75	Lal., O. A.
2060	8.5	20 20.40	86.21	3	2.982	—21 22 03.0	86.21	3	19.75	O. A.
2061	9	11 20 30.76	85.55	3	+2.980	—22 03 04.3	85.55	3	—19.75	Lal., O. A., Tac.
2062	8.3	20 31.74	86.27	3	2.985	—20 46 03.8	86.27	3	19.75	Lal., Bonn VI., Tac.
2063	7	20 50.45	85.62	3	2.986	—20 43 25.0	85.62	3	19.76	Lal., Bonn VI., Tac.
2064	8	21 21.78	86.26	3	2.984	—21 35 08.1	86.26	3	19.77	O. A.
2065	8.7	21 32.49	85.80	4	2.990	—20 09 24.7	85.80	4	19.77	O. A.
2066	9.5	11 22 21.09	86.94	3	+2.995	—19 24 39.1	86.94	3	—19.78	
2067	8	23 04.76	85.18	3	2.987	—21 45 42.1	85.18	3	19.79	O. A.
2068	9	23 18.87	86.94	3	2.998	—19 09 38.4	86.75	2	19.80	
2069	8	23 59.18	85.62	3	2.993	—20 42 25.6	85.62	3	19.81	Lal., O. A., Tac.
2070	9	24 23.46	85.62	3	2.999	—19 34 58.3	86.03	4	19.81	
2071	8.5	11 24 58.25	85.77	2	+3.001	—19 15 43.8	86.63	3	—19.82	
2072	9	24 59.65	85.77	2	2.995	—20 48 02.6	86.28	3	19.82	
2073	9	25 00.78	85 77	2	2.995	—20 55 14.4	85.77	2	19.82	
2074	8.8	25 06.38	86.75	2	3.002	—19 11 54.0	86.75	2	19.82	
2075	8	25 11.29	85.55	4	3.000	—19 33 53.2	85.55	4	19.83	O. A.
2076	8.7	11 25 30.63	85.78	2	+2.997	—20 29 36.7	85.78	2	—19.83	
2077	8.2	25 43.55	85.78	2	2.999	—20 20 33.2	85.78	2	19.83	Lal., Bonn VI., Tac.
2078	6.5	26 03.06	85.31	4	3.000	—20 08 32.4	85.31	4	19.84	Lal., Bonn VI., Tac.
2079	9	27 19.82	86.75	2	3.006	—19 10 49.5	86.75	2	19.85	O. A.
2080	8.5	27 51.03	85.31	4	3.005	—19 54 39.5	85.31	4	19.86	Lal., O. A., Tac.
2081	8.8	11 27 58.43	85.18	3	+2.998	—21 49 03.3	85.18	3	—19.86	Bonn VI.
2082	9	27 59.54	85 91	3	3.000	—21 10 48.8	85.91	3	19.86	Bonn VI.
2083	7.7	29 25.19	85.31	4	3.008	—19 55 15.9	85.31	4	19.88	Lal., O. A., Tac.
2084	9	29 41.78	86.60	3	3.009	—19 52 29.5	86.60	3	19.88	O. A.
2085	9.2	30 10.14	85.76	2	3.003	—21 40 58.3	86.97	3	19.89	
2086	9	11 30 21.07	85.94	3	+3.003	—21 50 35.2	86.27	4	—19.89	
2087	8	31 08.90	85.55	4	3.010	—20 19 43.2	85.55	4	19.90	Lal., Bonn VI., Tac.
2088	9.2	31 35.52	85.77	2	3.010	—20 49 39.0	86.27	3	19.90	
2089	9	31 47.85	86.77	2	3.011	—20 33 31.0	86.77	2	19.90	
2090	9	32 21 75	86.60	3	3.014	—20 04 32.0	86.78	4	19.91	O. A.
2091	9.2	11 32 21.96	86.75	2	+3.017	—19 07 19.7	86.75	2	—19.91	O. A.
2092	9.5	32 54.03	86.62	3	3.015	—19 51 41.0	86.62	3	19.92	O. A.
2093	7.7	33 07.35	85 53	4	3.014	—20 32 09.2	85.53	4	19.92	Lal., Bonn VI.
2094	9.5	34 29.61	86.58	3	3.014	—21 27 50.7	86.58	3	19.93	O. A.
2095	9	34 44.81	85.75	2	3.014	—21 41 44.1	85.75	2	19.93	O. A., Cape.
2096	9.5	11 35 08.49	86.27	2	+3.018	—20 34 12.7	86.27	2	—19.93	O. A.
2097	8.8	36 01.69	85.56	3	3.016	—22 00 54.8	85.56	3	19.94	Lal., O. A., Tac.
2098	8.5	37 30.94	85.96	3	3.024	—20 09 27.4	86.28	4	19.95	
2099	7.5	37 34.37	86.27	3	3.027	—19 11 02.7	86.27	3	19.95	Lal., Bonn VI.
2100	7.5	37 59.52	85.55	4	3.025	—20 24 01.4	85.55	4	19.96	

Number.....	Magnitudes.	Mean R. A. 1885.0	Epoch.....	No. of Obs.	Ann. Prec...	Mean Declination. 1885.0	Epoch.....	No. of Obs.	Ann. Prec...	Authorities.
		H. M. S.			s.	° ′ ″			″	
2101	9	11 38 15.33	85.75	2	+3.021	—21 54 17.4	85.75	2	—19.96	O. A.
2102	7	38 35.30	85.31	4	3.027	—20 03 23.7	85.31	4	19.97	Lal., O. A., Bonn VI., Tac.
2103	9	38 48.51	86.30	2	3.028	—19 46 36.1	86.62	3	19.97	
2104	9	39 37.51	85.75	2	3.025	—21 35 43.4	85.75	2	19.98	
2105	8	39 39.47	85.76	4	3.027	—20 50 01.7	85.76	4	19.98	Lal., Bonn VI., Tac.
2106	8	11 41 00.91	85.91	3	+3.030	—20 50 07.6	85.91	3	—19.99	O. A.
2107	9.2	41 21.16	86.82	2	3.029	—21 48 21.0	86.27	3	19.99	
2108	9	43 24.85	86.30	2	3.038	—19 42 10.5	86.30	2	20.00	
2109	8.5	43 30 67	85.69	2	3.035	—21 27 36.5	85.69	2	20.00	O. A.
2110	8.8	44 21.12	85.61	3	3.036	—20 32 44.0	85.61	3	20.00	O. A.
2111	8.2	11 44 26.26	85.77	2	+3.041	—18 57 55.0	85.77	2	—20.01	Lal., O. A., Tac. Note.
2112	9.5	44 27.08	86.94	3	3.041	—19 11 39.1	86.94	3	20.01	
2113	9	44 37.98	86.75	2	3.041	—19 02 34.3	86.75	2	20.01	Lal., O. A.
2114	8.2	44 59.18	85.52	3	3.038	—21 30 14.3	85.52	3	20.01	O. A.
2115	8.2	45 00.07	85.55	4	3.040	—20 21 47.9	85.55	4	20.01	O. A.
2116	9	11 45 09.81	85.75	2	+3.038	—21 45 33.6	85.75	2	—20.01	O. A., Tac.
2117	8	45 42.66	85.91	3	3.040	—20 59 40.3	86.25	4	20.02	Lal., O. A.
2118	8.5	46 29 58	85.62	3	3.045	—19 19 59.5	85.62	3	20.02	O. A.
2119	9	46 47.86	85.91	3	3.042	—21 22 55.8	85.91	3	20.02	O. A.
2120	9	47 04.26	86.75	2	3.046	—19 03 44.4	87.30	2	20.02	O. A.
2121	9	11 47 47.17	86.30	2	+3.047	—19 42 44.2	86.64	3	—20.03	O. A.
2122	9	47 59.52	85.31	2	3.047	—19 51 47.6	85.31	2	20.03	O. A.
2123	9	48 35.59	86.24	2	3.047	—21 13 41.0	86.24	2	20.03	O. A.
2124	8	48 41.39	85.98	4	3.047	—21 15 22.1	85.98	4	20.03	Lal., O. A.
2125	7.7	50 00.31	85.91	3	3.050	—21 00 52.1	86.25	4	20.03	Lal., Bonn VI.
2126	7.5	11 50 04.00	85.44	4	+3.049	—21 32 38.0	85.44	4	—20.03	Lal., O. A.
2127	8.7	50 37.39	85.69	2	3.051	—21 25 08.3	85.69	2	20.04	Lal., O. A., Tac.
2128	8.7	50 49.23	85.77	2	3.054	—19 08 47.2	85.77	2	20.04	
2129	8	51 26.27	85.47	4	3.052	—21 53 46.4	85.47	4	20.04	Lal., O. A., Bonn VI., Tac.
2130	8.2	52 04.22	85.77	2	3.055	—20 41 09.0	85.77	2	20.04	O. A.
2131	7.7	11 53 16.46	85.33	4	+3.058	—19 42 00.0	85.33	4	—20.04	
2132	8.5	54 36.71	85.55	3	3.060	—21 14 21.0	85.55	3	20.05	Lal., O. A., Tac., Yar.
2133	6.8	54 49.48	85.55	3	3.061	—21 11 47.1	85.55	3	20.05	Lal., O. A., Bonn VI., Yar., Brux.
2134	8.5	55 02.12	85.33	4	3.062	—19 59 31.8	85.71	5	20.05	
2135	8.2	55 04.72	86.27	3	3.062	—20 36 27.2	86.27	3	20.05	
2136	8	11 55 30.49	85.32	5	+3.063	—20 01 18.2	85.65	6	—20.05	Lal., Bonn VI., Tac.
2137	8	55 30.67	85.91	3	3.062	—20 53 24.7	86.25	4	20.05	O. A.
2138	7.8	56 09.63	85.31	4	3.064	—20 10 01.4	85.31	4	20.05	Lal., Bonn VI.
2139	9.5	56 51.82	86.77	2	3.065	—20 45 21.9	86.77	2	20.05	O. A.
2140	8	57 06.65	85.52	3	3.066	—21 30 44.5	85.52	3	20.05	Lal., Bonn VI., Tac.
2141	8	11 58 18.70	85.47	4	+3.068	—21 43 47.2	85.47	4	—20.05	Lal., O. A., Tac. Proper motion.
2142	8	58 23.53	85.55	4	3.069	—20 23 51.7	85.55	4	20.05	Lal., O. A.
2143	9	58 38.68	86.62	3	3.070	—19 58 54.4	86.62	3	20.05	O. A.
2144	8.2	58 47.00	86.27	3	3.070	—20 42 29.5	86.27	3	20.05	Lal., Bonn VI.
2145	9.5	59 04.58	86.27	2	3.070	—21 12 12.9	86.27	2	20.05	O. A.
2146	9	12 00 12.00	85.77	2	3.073	—21 01 55.7	85.77	2	—20.05	O. A.
2147	8.5	00 19.93	85.57	4	3.073	—19 23 58.0	85.57	4	20.05	Lal., Bonn VI. Note.
2148	8 5	00 41.78	85.30	2	3.074	—20 05 47.6	85.30	2	20.05	O. A.
2149	8.5	01 17.28	85.56	3	3.075	—21 43 44.5	85.56	3	20.05	O. A.
2150	8.5	02 08.53	86.24	4	3.077	—21 37 07.6	86.24	4	20.05	O. A.

Number.....	Magnitudes.	Mean R. A. 1885.0	Epoch.....	No. of Obs.	Ann. Prec...	Mean Declination. 1885.0	Epoch.....	No. of Obs.	Ann. Prec...	Authorities.
		H. M. S.			s.	° ′ ″			″	
2151	9.2	12 02 15.34	86.95	3	+3.077	—19 09 43.3	86.78	2	—20.05	
2152	9	02 32.08	85.97	3	3.078	—22 00 53.6	85.97	3	20.05	
2153	8.7	02 50.98	85.97	3	3.079	—21 52 51.4	85.97	3	20.05	O. A.
2154	9	03 04.53	86.29	2	3.079	—19 17 34.9	86.29	2	20.05	O. A.
2155	8	03 37.04	85.55	4	3.080	—20 24 42.4	85.55	4	20.05	Lal., Bonn VI.
2156	9	12 03 51.56	85.82	2	+3.080	—19 14 20.3	85.82	2	—20.05	O. A.
2157	9.5	04 16.26	86.27	2	3.082	—21 03 44.8	86.30	2	20.05	O. A.
2158	8.8	04 16.28	86.55	4	3.081	—19 32 13.8	86.70	5	20.05	
2159	7.5	04 23.67	86.29	3	3.081	—19 07 47.7	86.29	3	20.05	O. A.
2160	9	05 04.82	85.95	3	3.083	—20 15 50.6	85.95	3	20.05	
2161	8.8	12 05 40.91	85.57	3	+3.085	—21 29 16.8	85.57	3	—20 05	O. A.
2162	7.5	05 54.27	85.65	3	3.082	—19 17 21.3	85.65	3	20.05	Lal., O. A., Bonn VI., Tac.
2163	9.5	06 19.08	85.77	2	3.087	—21 52 46.5	85.77	2	20.04	O. A.
2164	9	06 22.15	86.79	2	3.085	—19 21 10.1	86.79	2	20.04	
2165	7.5	06 23.17	85.65	3	3.085	—19 13 56.4	85.65	3	20.04	Lal., O. A. Note.
2166	9	12 06 40.13	86.95	3	+3.086	—19 28 39.6	86.95	3	—20.04	
2167	8.7	07 13.00	85.96	3	3.088	—20 05 49.4	85.96	3	20.04	
2168	9.3	07 17.60	85.77	2	3.089	—20 46 52.6	86.27	3	20.04	
2169	8.5	07 35.59	85.78	2	3.089	—20 16 46.5	85.78	2	20.04	
2170	8.2	07 39.21	85.62	3	3.089	—20 26 02.1	85.62	3	20.04	
2171	8.2	12 07 41.11	85.91	3	+3.090	—20 59 37.6	85.91	3	—20.04	Lal., O. A.
2172	7.5	07 49.89	85.33	3	3.089	—19 41 14.7	85.33	3	20.04	
2173	8.7	08 33.28	85.65	3	3.090	—19 28 01.0	85.65	3	20.04	O. A.
2174	9	08 59.81	86.93	3	3.092	—20 53 02.3	86.93	3	20.04	O. A.
2175	6.2	09 03.21	85.30	3	3.092	—20 12 14.0	85.30	3	20.04	Lal., Bonn VI., Brux.
2176	7	12 09 40.45	85.32	4	+3.093	—19 53 27.4	85.32	4	—20.04	Lal., O. A.
2177	7.8	09 52.12	85.43	5	3.095	—21 25 01.8	85.43	5	20.04	O. A.
2178	9.2	10 00.71	85.97	3	3.096	—21 51 43.8	86.08	4	20.03	O. A., Tac.
2179	8.5	11 42.64	85.27	3	3.099	—21 18 54.6	85.27	3	20.03	O. A.
2180	8.5	11 54.40	86.27	3	3.098	—20 13 27.1	86.27	3	20.03	Lal., O. A.
2181	7.5	12 12 17.45	85.30	3	+3.099	—20 12 06.1	85.30	3	—20.03	O. A., Bonn VI.
2182	7.5	12 29.50	85.30	3	3.099	—20 10 11.0	85.30	3	20.03	O. A., Bonn VI. Note.
2183	9.2	12 32.58	86.32	3	3.101	—21 42 54.7	86.32	3	20.02	O. A.
2184	8	12 57.71	86.57	3	3.101	—20 52 54.6	86.25	4	20.02	O. A.
2185	8.8	13 56.75	86.31	2	3.104	—21 32 51.5	87.30	2	20.02	O. A., Brux.
2186	9	12 13 58.94	86.77	2	+3.103	—20 51 13.0	86.77	2	—20.02	O. A.
2187	9.2	14 44.47	85.82	2	3.103	—19 35 20.9	85.82	2	20.01	Lal., Bonn VI.
2188	8.7	14 50.75	85.81	2	3.109	—21 41 18.8	85.81	2	20.01	O. A., Tac.
2189	9	14 52.32	86.78	2	3.103	—19 15 18.3	86.78	2	20.01	O. A.
2190	8.8	16 59.65	85.78	2	3.109	—20 23 16.2	85.78	2	20.00	O. A.
2191	9	12 17 36.69	86.29	2	+3.112	—22 07 52.3	86.29	2	—20.00	
2192	8	17 40.69	85.65	3	3.109	—19 26 56.3	85.65	3	20.00	Lal., Bonn VI.
2193	7.7	18 04.36	86.78	2	3.108	—18 55 55.4	86.78	2	19.99	Lal., Bonn VI.
2194	9.2	18 09.87	86.93	3	3.112	—20 41 17.0	86.93	3	19.99	
2195	8.5	18 12.12	85.71	5	3.114	—21 25 52.9	85.71	5	19.99	
2196	9	12 18 15.86	86.00	3	+3.116	—22 12 14.1	86.00	3	—19.99	O. A.
2197	8.8	18 43.86	85.65	3	3.111	—19 25 59.9	85.65	3	19.99	
2198	9	18 47.40	86.28	2	3.113	—20 09 36.1	86.62	3	19.99	O. A.
2199	9	18 55.67	86.78	2	3.111	—19 14 02.0	86.78	2	19.98	
2200	8.8	19 01.41	85.79	4	3.115	—21 01 30.0	85.79	4	19.98	

Number.....	Magnitudes.	Mean R. A. 1885.0	Epoch.....	No. of Obs.	Ann. Prec...	Mean Declination. 1885.0	Epoch.....	No. of Obs.	Ann. Prec...	Authorities.
		H. M. S.			S.	° ′ ″			″	
2201	9	12 19 17.04	86.27	3	+3.114	—20 23 48.2	86.27	3	—19.98	O. A.
2202	8.5	19 38.96	85.81	2	3.119	—22 10 52.2	85.81	2	19 98	O. A.
2203	8	21 03.56	85.80	4	3.121	—21 45 15.7	85.80	4	19.97	Lal., O. A., Tac.
2204	8.5	21 11.01	85.65	3	3.116	—19 19 38.9	85 65	3	19.97	O. A.
2205	8.7	21 17.52	85.32	4	3.117	—19 47 51.2	85.32	4	19.97	Lal., O. A. Note.
2206	9	12 21 17.69	86.79	3	+3.121	—21 22 16.6	86.97	3	—19.97	
2207	8	21 31.48	85.53	4	3.119	—20 35 22.3	85.53	4	19.97	
2208	8.5	21 46.05	85.80	4	3.123	—21 45 42.9	85.80	4	19.96	Lal., O. A.
2209	8.2	22 40.34	85.81	2	3.126	—22 17 17.2	86.32	3	19 96	O. A.
2210	9	22 44.06	86.29	3	3.124	—21 14 55.4	86.29	3	19.96	
2211	9	12 23 28.16	85.77	2	+3.124	—20 45 51.5	85.77	2	—19.95	
2212	9	24 02.53	85.80	4	3.127	—21 14 25.7	85.80	4	19.94	O. A.
2213	9	24 42.49	86.28	2	3.124	—19 52 31.1	86 62	3	19.94	O. A.
2214	9	24 46.90	86.80	2	3.128	—21 00 19.0	86.80	2	19.93	O. A.
2215	8.5	25 03.36	85.33	3	3.125	—19 40 43.3	85.33	3	19.93	O. A.
2216	7.7	12 25 09.71	86.78	2	+3.123	—18 57 27.2	86.78	2	—19.93	Lal., Bonn VI., Tac.
2217	7.5	25 52.75	85.55	4	3.128	—20 20 48.6	85.91	5	19.93	Lal., O. A., Tac. Proper motion.
2218	7.7	26 23.81	85.82	4	3.133	—21 32 10.1	85.82	4	19.92	O. A.
2219	9	26 51.95	86.78	2	3.127	—19 13 30.7	86.78	2	19 92	
2220	8.5	27 06.03	85.65	3	3.136	—22 03 47.8	85.65	3	19.92	O. A.
2221	8.5	12 27 14.98	86.85	2	+3.132	—20 26 59.2	86.85	2	—19.91	O. A.
2222	6.7	27 21.91	86.29	3	3.128	—19 09 23.7	86.29	3	19.91	Lal., O. A.
2223	8.5	27 35.61	85.35	2	3.130	—19 52 16.0	85.35	2	19.91	O. A.
2224	8	28 11.94	86.06	4	3.136	—21 05 21.3	86.06	4	19.91	Lal., O. A., Bonn VI.
2225	9.5	28 37.60	86.33	2	3.137	—21 21 02.7	87.33	2	19.90	
2226	8.8	12 28 56.40	85.97	3	+3.136	—20 34 55.8	85.97	3	—19.90	
2227	8.2	29 49.81	85.32	4	3.135	—19 49 51.3	85.32	4	19.89	Lal., Bonn VI. Proper motion.
2228	6.5	29 57.19	85.32	4	3.135	—19 53 29.3	85.32	4	19.89	Lal., Bonn VI., Tac.
2229	8	30 38.63	86.08	4	3.140	—20 40 21.7	86.08	4	19.88	O. A.
2230	9.5	30 42.46	85.80	4	3.143	—21 43 02.9	85.80	4	19.88	O. A., Bonn VI.
2231	9.5	12 30 51.41	86.85	2	+3.139	—20 18 05.2	87.02	3	—19.87	
2232	8.2	31 11.20	86.78	2	3.136	—19 26 42.4	86.78	2	19.87	
2233	8.5	31 39.52	86.78	2	3.136	—18 56 39.1	86.95	3	19.86	O. A.
2234	9.5	32 25.82	86.79	2	3.139	—19 25 16.2	86.79	2	19.85	O. A.
2235	9.5	32 49.94	86.62	3	3.141	—19 53 27.6	87.30	2	19.85	
2236	8.5	12 32 58.16	85.65	3	+3.150	—21 59 05.4	85.65	3	—19.85	
2237	8.2	33 06.26	85.79	2	3.139	—19 04 28.6	85.79	2	19.85	O. A.
2238	8.8	33 50.76	85.97	3	3.145	—20 20 11.5	85.97	3	19.84	Bonn VI.
2239	8.2	34 41.72	86.29	3	3.142	—19 05 43.8	86.29	3	19.83	Lal., Bonn VI.
2240	8	35 28.39	85.58	4	3.147	—19 59 05.5	85.58	4	19.82	Lal., Bonn VI., Tac.
2241	9	12 35 41.37	86.32	2	+3.149	—20 17 26.1	86.67	3	—19.82	[Proper motion.
2242	6.5	35 48.23	86.29	3	3.144	—19 07 40.3	86.29	3	19.82	Lal., Bonn VI., Tac., Rad.'83.
2243	8.5	35 51.74	85.97	3	3.153	—21 09 43.7	85.97	3	19.82	O. A.
2244	8.5	35 52.74	85.65	3	3.157	—22 05 51.1	85.65	3	19.82	O. A.
2245	9	36 07.37	85.81	2	3.158	—22 14 33.3	86.32	3	19.81	O. A.
2246	8.5	12 37 38.97	85.81	2	+3.162	—22 13 54.9	86.32	3	—19.79	O. A.
2247	9.5	38 27.86	86.95	3	3.151	—19 19 51.7	86.95	3	19.77	
2248	9	38 50.32	85.65	3	3.151	—19 17 09.0	86.31	3	19.77	
2249	7.5	39 29.72	85.57	4	3.154	—19 30 57.3	85.57	4	19.76	Lal., Bonn VI.
2250	7	39 47.92	86.06	4	3.162	—21 08 18.2	86.06	4	19.75	Lal., O. A.

Number.....	Magnitudes.	Mean R. A. 1885.0	Epoch	No. of Obs..	Ann. Prec...	Mean Declination. 1885.0	Epoch.....	No. of Obs..	Ann. Prec...	Authorities.
		H. M. S.			s.	° ′ ″			″	
2251	7.5	12 39 48.63	85.65	3	+3.166	—22 00 06.0	85.65	3	—19.75	
2252	8	39 55.28	85.65	3	3.154	—19 26 44.5	85.65	3	19.75	Lal., Bonn VI.
2253	8.8	40 16.24	86.30	3	3.164	—21 24 53.0	86.30	3	19.75	O. A.
2254	9	40 23.67	86.62	3	3.159	—20 13 07.7	86.62	3	19.74	
2255	9	40 29.89	86.32	3	3.168	—22 04 37.8	86.32	3	19.74	O. A.
2256	8.7	12 40 52.71	85.82	2	+3.155	—19 18 25.6	85.82	2	—19.74	
2257	7.5	40 57.85	85.82	4	3.166	—21 30 06.9	85.82	4	19.73	O. A.
2258	8	41 22.27	86.08	4	3.164	—20 50 07.4	86.08	4	19.73	Lal., O. A., Tac.
2259	9.5	41 57.52	86.32	3	3.171	—22 02 02.9	86.32	3	19.72	O. A.
2260	9.2	42 02.02	86.78	2	3.157	—19 07 25.2	86.78	2	19.72	O. A.
2261	8.2	12 42 44.76	85.79	2	+3.158	—19 01 53.2	85.79	2	—19.71	O. A.
2262	9	43 06.09	85.58	4	3.163	—19 58 48.0	85.58	4	19.70	Lal., Bonn VI.
2263	8.8	43 11.04	86.78	2	3.169	—21 09 53.2	86.78	2	19.70	O. A.
2264	8.8	43 18.83	85.80	4	3.173	—21 45 44.0	85.80	4	19.70	
2265	9	43 26.33	86.78	2	3.161	—19 16 11.0	86.78	2	19.69	O. A.
2266	8.8	12 43 44.68	85.97	3	+3.168	—20 37 40.9	85.97	3	—19.69	O. A., Bonn VI.
2267	9	43 47.65	85.80	4	3.174	—21 45 38.8	85.80	4	19.69	
2268	8.5	44 06.40	85.32	4	3.164	—19 44 12.6	85.33	3	19.68	
2269	9	44 55.50	86.85	2	3.170	—20 36 50.9	86.85	2	19.67	O. A.
2270	9	47 04.48	87.30	2	3.169	—19 35 18.9	86.77	2	19.63	O. A.
2271	8.2	12 47 24.21	85.65	3	+3.168	—19 14 53.9	85.65	3	—19.62	O. A.
2272	9	47 25.15	86.83	2	3.176	—20 40 20.2	86.83	2	19.62	
2273	7	48 24.57	85.57	4	3.171	—19 28 23.9	85.57	4	19.61	O. A., Bonn VI.
2274	9.5	49 17.24	85.81	2	3.188	—22 05 27.5	85.81	2	19.59	
2275	8.5	49 17.48	85.97	3	3.183	—21 07 28.2	85.97	3	19.59	
2276	8	12 49 58.60	85.57	4	+3.175	—19 35 25.3	85.57	4	—19.58	Lal., O. A.
2277	7.5	50 12.28	86.29	3	3.172	—19 00 28.6	86.55	4	19.58	Lal., O. A. Note.
2278	9	50 31.35	86.28	2	3.178	—19 47 04.4	86.28	2	19.57	O. A.
2279	7.5	51 02.81	85.82	4	3.189	—21 32 56.8	85.82	4	19.56	Lal., O. A., Yar.
2280	6.7	51 25.29	85.65	3	3.193	—22 07 51.6	85.65	3	19.55	Lal., O. A.
2281	8	12 51 29.67	85.79	2	+3.176	—19 07 39.4	85.79	2	—19.55	Lal., O. A.
2282	8.7	51 40.43	86.56	4	3.183	—20 14 41.7	86.56	4	19.55	
2283	7.5	52 09.90	85.30	3	3.181	—19 45 37.0	85.80	4	19.54	Lal., Bonn VI.
2284	7	52 49.80	85.99	3	3.189	—20 55 25.4	85.99	3	19.53	Lal., Bonn VI., Brux.
2285	8	53 18.19	85.97	3	3.194	—21 30 22.7	85.82	4	19.52	Lal., O. A., Yar.
2286	9.2	12 53 40.77	86.33	2	+3.194	—21 26 42.1	86.33	2	—19.51	O. A.
2287	7.5	53 42.28	85.34	4	3.183	—19 40 12.3	85.34	4	19.51	Lal., O. A., Tac.
2288	9.2	54 00.88	86.78	2	3.182	—19 23 42.6	86.78	2	19.50	
2289	8.7	54 22.03	86.28	2	3.194	—21 10 00.4	86.28	2	19.49	O. A.
2290	7.5	54 50.07	86.08	4	3.193	—20 48 21.5	86.33	5	19.48	Lal., Bonn VI., Tac. Note.
2291	7	12 55 05.94	85.67	6	+3.189	—20 09 27.0	85.67	6	—19.48	Lal., Bonn VI., Tac.
2292	9	55 21.95	85.61	3	3.200	—21 48 59.6	85.61	3	19.47	O. A.
2293	8	55 46.29	85.79	2	3.184	—19 09 11.0	85.79	2	19.46	Lal., Bonn VI.
2294	9.2	55 59.50	86.32	2	3.202	—21 47 15.7	86.40	2	19.46	
2295	9	56 50.94	86.08	4	3.191	—19 52 10.7	86.08	4	19.44	
2296	8.5	12 57 03.48	86.33	3	+3.196	—20 35 28.3	86.59	4	—19.44	
2297	9	57 21.27	86.78	2	3.187	—19 03 25.0	86.78	2	19.43	O. A.
2298	8.5	58 23.81	85.81	2	3.210	—22 12 33.8	85.81	2	19.41	O. A.
2299	7.5	58 43.63	85.99	3	3.202	—20 54 07.2	85 99	3	19.40	Lal., Bonn VI., Brux.
2300	9.5	58 45.33	86.05	3	3.209	—21 57 20.1	85.87	2	19.40	

Number.....	Magnitudes.	Mean R. A. 1885.0	Epoch.....	No. of Obs..	Ann. Prec...	Mean Declination. 1885.0	Epoch.....	No. of Obs.	Ann. Prec...	Authorities.
		H. M. S.			s.	° ′ ″			″	
2301	7.5	12 59 25.97	85.82	4	+3.207	−21 27 13.7	85.82	4	−19.38	Lal., O. A., Tac.
2302	8.5	13 00 16.48	85.82	4	3.195	−19 26 32.1	85.82	4	19.36	O. A.
2303	8.7	00 32.46	86.33	3	3.203	−20 34 01.3	86.59	4	19.36	
2304	8.5	00 37.03	86.32	2	3.203	−20 33 50.5	86.66	3	19.36	
2305	8.2	00 55.26	85.73	5	3.197	−19 31 30.8	85.73	5	19.35	Lal., O. A., Tac.
2306	9	13 01 36.33	86.85	2	+3.204	−20 23 26.9	86.85	2	−19.33	O. A.
2307	9	03 01.66	86.78	2	3.198	−19 07 35.2	86.78	2	19.30	O. A.
2308	8.2	03 12.48	85.86	4	3.205	−19 58 52.9	85.86	4	19.30	
2309	8	03 15.34	85.81	2	3.221	−22 14 17.0	85.81	2	19.30	
2310	7.5	03 21.15	85.73	5	3.202	−19 30 33.6	85.73	5	19.30	Lal., O. A.
2311	7.5	13 03 30.20	85.66	3	+3.217	−21 34 07.3	85.66	3	−19.29	[motion. Lal., Bonn VI., Brux. Proper
2312	8.5	04 13.52	85.67	3	3.220	−21 45 27.8	85.67	3	19.28	Lal., Bonn VI.
2313	9	04 22.95	86.82	2	3.201	−19 07 47.4	87.00	3	19.27	
2314	9	04 37.75	86.00	3	3.219	−21 35 29.0	86.00	3	19.26	
2315	9	04 55.39	87.02	3	3.214	−20 45 40.0	87.37	2	19.25	O. A.
2316	8.5	13 05 33.65	86.02	3	+3.210	−20 03 53.8	86.02	3	−19.24	O. A.
2317	8	05 59.63	86.25	5	3.213	−20 16 21.6	86.25	5	19.22	O. A.
2318	7.7	06 59.96	85.90	2	3.231	−22 19 21.5	85.90	2	19.20	Lal., O. A.
2319	8	07 49.21	85.67	3	3.228	−21 45 05.3	85.67	3	19.19	O. A. [Proper motion.
2320	6.5	08 01.61	85.98	3	3.210	−19 19 33.1	85.98	3	19.18	Lal., O. A., Cape, Brux., Rad.'83.
2321	9	13 08 41.62	86.00	3	+3.222	−20 45 26.1	86.34	4	−19.16	
2322	9	09 44.04	86.68	3	3.221	−20 19 10.8	86.68	3	19.13	O. A. [Yar., Rad.'83. Prop. mo.
2323	6.5	09 45.67	85.98	3	3.213	−19 19 51.0	85.98	3	19.13	Brad., Lal., Abo, O. A., Brux.,
2324	8	09 54.37	85.82	4	3.229	−21 18 28.2	85.82	4	19.13	O. A.
2325	9	09 57.98	86.04	3	3.218	−19 59 21.9	86.04	3	19.12	
2326	8	13 10 34.35	85.97	3	+3.229	−21 10 48.6	85.97	3	−19.11	O. A.
2327	9	10 48.11	86.30	3	3.232	−21 25 19.7	86.30	3	19.10	O. A.
2328	9	11 08.88	86.68	3	3.224	−20 25 04.7	86.85	2	19.09	O. A.
2329	8	11 11.62	85.99	3	3.229	−20 55 48.9	85.99	3	19.09	Lal., O. A., Tac.
2330	9	11 26.75	86.71	3	3.221	−19 54 09.5	86.89	2	19.09	
2331	9.2	13 11 56.82	86.38	3	+3.223	−20 01 08.4	86.38	3	−19.07	O. A.
2332	9	12 42.29	87.33	3	3.236	−21 27 38.8	86.67	3	19.05	
2333	8	12 53.27	85.98	3	3.220	−19 23 51.9	85.98	3	19.05	
2334	8.8	13 22.85	86.66	3	3.230	−20 37 18.7	86.66	3	19.04	
2335	8.2	14 17.34	86.11	5	3.240	−21 31 52.3	86.07	4	19.01	
2336	7.7	13 14 17.57	86.09	4	+3.230	−20 16 29.5	86.15	5	−19.01	Lal., Bonn VI., Tac.
2337	8.8	14 21.90	85.96	5	3.225	−19 46 00.2	85.96	5	19.01	O. A.
2338	7.3	14 48.81	85.67	3	3.244	−21 46 45.8	85.67	3	18.99	O. A., Yar.
2339	8	14 52.47	85.97	3	3.239	−21 12 06.9	85.97	3	18.99	Lal., Bonn VI. Note.
2340	7.5	15 09.16	85.90	2	3.248	−22 11 33.7	85.90	2	18.98	O. A.
2341	7	13 15 18.88	86.82	2	+3.220	−18 53 07.5	86.82	2	−18.98	O. A.
2342	9	16 05.74	86.36	3	3.233	−20 15 34.7	86.61	4	18.96	Lal., Bonn VI.
2343	8.5	16 17.38	85.90	2	3.252	−22 21 06.7	85.90	2	18.95	
2344	8.5	16 19.45	85.90	2	3.252	−22 20 57.3	85.90	2	18.95	O. A.
2345	8	16 36.90	86.08	4	3.239	−20 48 44.8	86.08	4	18.94	
2346	7	13 17 44.12	86.09	4	+3.237	−20 19 23.5	86.15	5	−18.91	Lal., O. A.
2347	9	17 58.28	85.87	2	3.251	−21 52 05.6	85.87	2	18.90	
2348	8.7	19 10.56	85.88	4	3.235	−19 48 21.9	85.88	4	18.87	Lal., Bonn VI.
2349	8.8	19 19.81	86.09	4	3.234	−19 34 43.0	85.98	3	18.86	Bonn VI.
2350	8.2	19 42.80	86.29	2	3.231	−19 12 57.2	86.29	2	18.85	O. A.

Number.....	Magnitudes.	Mean R. A. 1885.0	Epoch	No. of Obs..	Ann. Prec...	Mean Declination. 1885.0	Epoch	No. of Obs..	Ann. Prec...	Authorities.
		H. M. S.			s.	° ′ ″			″	
2351	9	13 19 50.82	86.30	3	+3.253	—21 33 49.4	86.30	3	—18.85	
2352	8	20 28.47	85.67	3	3.255	—21 42 01.3	85.67	3	18.84	
2353	8	20 52.85	85.67	3	3.257	—21 46 02.3	85.67	3	18.82	O. A.
2354	9	20 56.79	85.72	3	3.238	—19 44 13.8	85.89	4	18.82	O. A.
2355	7.2	21 57.59	85.67	3	3.260	—21 48 10.1	85.67	3	18.78	Lal., O. A., Bonn VI.
2356	8.7	13 22 01.90	85.84	2	+3.253	—21 08 06.9	85.84	2	—18.78	O. A.
2357	8.5	22 17.22	85.71	3	3.261	—21 49 49.6	85.71	3	18.77	O. A.
2358	8.5	23 24.98	85.67	3	3.262	—21 46 22.0	85.67	3	18.74	O. A.
2359	7.7	23 47.35	85.68	3	3.244	—19 43 03.4	85.68	3	18.73	Lal., O. A., Brux., Cape.
2360	7.7	24 42.25	86.82	2	3.238	—18 57 52.8	86.82	2	18.70	Lal., O. A.
2361	9.2	13 25 48.22	86.86	2	+3.254	—20 21 30.6	86.86	2	—18.66	O. A.
2362	8.8	26 31.29	86.00	3	3.267	—21 35 16.4	86.32	4	18.64	O. A.
2363	7.5	26 57.13	85.98	3	3.247	—19 23 50.6	85.98	3	18.63	O. A.
2364	9	27 13.74	86.38	4	3.253	—20 01 34.7	86.38	4	18.62	O. A.
2365	9	28 08.93	85.88	4	3.254	—19 51 57.8	85.88	4	18.59	O. A.
2366	7	13 29 07.14	85.71	3	+3.277	—22 01 47.0	85.71	3	—18.56	Lal., O. A., Tac.
2367	7.2	29 15.32	85.82	4	3.272	—21 26 03.4	85.82	4	18.56	Lal., O. A., Tac. Note.
2368	8.5	29 31.31	85.87	2	3.276	—21 47 39.8	85.87	2	18.55	O. A.
2369	8.5	30 34.70	86 06	4	3.271	—21 06 52.4	86.06	4	18.51	Lal., O. A.
2370	8	30 46.08	85.82	4	3.273	—21 15 59.0	85.82	4	18.50	Lal., O. A.
2371	8.5	13 31 27.89	85.90	2	+3.284	—22 10 39.5	85.90	2	—18.47	O. A.
2372	9	31 34.02	85.67	3	3.257	—19 34 41.2	85.67	3	18.47	
2373	9.2	31 55.23	86.36	3	3.264	—20 10 36.6	86.62	4	18.46	O. A.
2374	8.5	31 58.43	85.90	2	3.285	—22 11 26.0	85.90	2	18.46	O. A.
2375	9	32 03.52	85.70	3	3.261	—19 50 16.0	85.70	3	18.46	
2376	9	13 32 31.93	86.34	2	+3.274	—20 59 57.2	86.34	2	—18.44	O. A.
2377	9.2	32 53.67	86.82	2	3.254	—19 02 38.8	86.82	2	18.43	Bonn VI.
2378	9.2	32 57.13	86.82	2	3.255	—19 07 26.4	86.82	2	18.43	O. A., Bonn VI.
2379	9.2	33 21.24	86.82	2	3.256	—19 05 51.1	86.82	2	18.41	
2380	8.8	33 50.58	85.71	3	3.288	—22 03 10.7	85.71	3	18.40	O. A.
2381	9	13 34 43.05	86.38	2	+3.270	—20 10 04.9	86.38	2	—18.37	O. A.
2382	8.5	36 01.85	85.82	4	3.286	—21 27 52.4	85.82	4	18.32	Lal., O. A., Tac.
2383	9	36 31.47	86.40	2	3.294	—22 02 38.3	86.40	2	18.30	O. A.
2384	9.5	36 45.04	86.82	2	3.265	—19 19 42.4	86.82	2	18.29	O. A.
2385	9	36 51.32	85.87	2	3.294	—22 00 07.2	85.87	2	18.29	O. A.
2386	8.5	13 37 01.37	85.67	3	+3.292	—21 47 16.7	85.67	3	—18.28	Lal., Bonn VI. Proper motion.
2387	9	37 26.91	86.85	2	3.280	—20 37 57.7	86.85	2	18.27	O. A.
2388	9	37 46.99	86.85	2	3.277	—20 16 07.8	87.03	3	18.26	
2389	8.7	38 08.74	86.32	2	3.282	—20 38 36.5	86.32	2	18.24	O. A.
2390	9	39 30.31	86.70	3	3.285	—20 45 31.2	86.70	3	18.20	
2391	8	13 40 28.21	86.09	4	+3.282	—20 16 49.1	86.15	5	—18.16	
2392	9	40 33.64	86.30	3	3.294	—21 21 28.0	86.30	3	18.16	O. A.
2393	9	40 40.35	86.38	2	3.280	—20 05 28.1	86.39	3	18.15	
2394	8.8	40 40.70	85.98	3	3.272	—19 21 43.3	85.98	3	18.15	O. A.
2395	9	40 51.01	86.70	3	3.290	—20 53 28.0	86.70	3	18.14	
2396	9	13 40 57.77	86.36	3	+3.283	—20 16 58.5	86.36	3	—18.14	
2397	8.2	40 58.90	85.37	2	3.277	—19 42 38 9	85.37	2	18.14	Lal., O. A.
2398	8.7	41 15.66	86.07	3	3.278	—19 47 37.8	86.07	3	18.13	Lal., Bonn VI.
2399	8.5	41 23.12	85.68	3	3.278	—19 44 54.0	85.68	3	18.12	Lal., O. A.
2400	8	42 10.90	85.59	4	3.300	—21 34 54.7	85.59	4	18.09	O. A.

Number.....	Magnitudes.	Mean R. A. 1885.0	Epoch.....	No. of Obs..	Ann. Prec...	Mean Declination. 1885.0	Epoch.....	No. of Obs..	Ann. Prec...	Authorities.
		H. M. S.			s.	° ′ ″			″	
2401	7.2	13 42 38.55	86.02	3	+3.285	—20 10 29.9	86.12	4	—18.08	Lal., O. A., Yar.
2402	8	42 39.50	85.90	2	3.308	—22 09 04.4	85.90	2	18.08	Lal., O. A.
2403	9	43 20.07	86.82	2	3.278	—19 27 07.0	86.82	2	18.06	
2404	8	43 38.24	85.82	4	3.303	—21 31 24.1	85.82	4	18.04	
2405	9	43 53.20	86.85	2	3.294	—20 41 41.8	86.85	2	18.03	
2406	7.2	13 43 55.35	86.09	4	+3.289	—20 17 50.4	86.15	5	—18.03	[Cape. Lal., O. A, Lam., Tac., Yar., Brux.,
2407	7	44 16.66	85.98	3	3.278	—19 19 34.1	85.98	3	18.01	O. A.
2408	8.8	44 35.26	85.99	3	3.297	—20 49 56.8	85.99	3	18.00	O. A.
2409	7.7	44 37.74	86.33	3	3.292	—20 24 47.5	86.59	4	18.00	Lal., O. A., Tac.
2410	9	44 58.28	86.33	2	3.305	—21 30 42.8	86.33	2	17.99	O. A.
2411	8.2	13 47 29.60	86.66	3	+3.300	—20 39 03.4	86.66	3	—17.89	Lal., Bonn VI., Tac., Rüm.
2412	8.8	47 47.37	86.34	2	3.310	—21 21 06.1	86.68	3	17.88	
2413	8.8	48 04.61	85.66	3	3.311	—21 25 21.4	85.66	3	17.86	
2414	7	48 09.03	85.67	3	3.314	—21 40 33.6	85.67	3	17.86	Lam.
2415	8	48 31.07	85.99	3	3.306	—20 56 24.1	86.32	4	17.84	Lal., O. A.
2416	9	13 49 04.80	85.95	5	+3.290	—19 33 23.0	85.95	5	—17.82	
2417	9	50 12.89	85.87	2	3.322	—21 57 17.2	85.87	2	17.78	O. A.
2418	9	50 26.48	86.38	2	3.301	—20 12 27.4	86.89	2	17.77	
2419	8.5	51 32.06	86.06	4	3.313	—21 01 56.6	86.06	4	17.72	O. A.
2420	8.8	51 37.78	86.12	4	3.301	—20 04 58.6	86.12	4	17.72	O. A.
2421	9.5	13 52 39.65	86.37	2	+3.296	—19 29 04.9	86.70	3	—17.68	O. A.
2422	8.5	53 30.06	85.67	3	3.326	—21 47 07.7	85.67	3	17.64	O. A.
2423	9	53 49.36	85.70	3	3.302	—19 51 28.6	85.70	3	17.63	
2424	8.8	55 31.55	86.30	3	3.324	—21 19 18.6	86.30	3	17.56	
2425	8.2	56 17.17	86.06	4	3.323	—21 06 17.5	86.06	4	17.53	O. A.
2426	9.5	13 56 50.91	86.05	3	+3.338	—22 06 58.6	86.05	3	—17.50	
2427	9.5	57 12.73	86.70	3	3.314	—20 14 07.4	86.70	3	17.49	O. A.
2428	9	57 19.79	85.86	4	3.303	—19 23 06.7	85.86	4	17.48	
2429	7	57 28.40	85.85	4	3.335	—21 52 05.6	85.71	3	17.48	Lal., Bonn VI., Tac.
2430	8.5	57 43.92	86.08	4	3.321	—20 45 36.6	86.08	4	17.47	O. A.
2431	8.2	13 57 49.34	85.97	3	+3.327	—21 12 22.2	85.97	3	—17.46	O. A.
2432	8.5	58 03.76	85.84	2	3.328	—21 12 45.6	85.84	2	17.45	O. A.
2433	7.5	58 40.75	85.71	3	3.341	—22 04 10.8	85.71	3	17.43	Lal., Bonn VI., Tac.
2434	8.5	58 42.24	86.34	2	3.327	—21 01 42.2	87.34	2	17.42	O. A.
2435	8.8	14 00 09.05	85.79	5	3.310	—19 31 21.9	85.79	5	17.36	O. A.
2436	9.5	14 00 23.37	86.38	2	+3.316	—19 57 03.0	86.38	2	—17.35	O. A.
2437	8	01 30.34	86.32	2	3.327	—20 38 46.3	86.32	2	17.30	O. A.
2438	8.5	01 36.08	85.59	4	3.341	—21 38 31.8	85.59	4	17.30	Lal., Bonn VI., Tac.
2439	8.5	01 39.26	86.88	2	3.308	—19 10 24.5	87.05	3	17.29	
2440	8	02 47.56	85.71	3	3.348	—21 59 35.9	85.71	3	17.24	Lal., Bonn VI., Tac.
2441	9	14 03 13.55	86.66	3	+3.330	—20 38 59.9	86.66	3	—17.23	Lal., Bonn VI., Tac.
2442	8.2	03 39.22	86.08	4	3.332	—20 41 26.9	86.08	4	17.20	Lal., O. A., Bonn VI., Tac.
2443	9	04 59.02	86.68	3	3.346	—21 32 23.2	86.68	3	17.14	O. A.
2444	9	05 28.48	86.40	2	3.313	—19 02 17.9	86.40	2	17.12	O. A.
2445	8.5	07 16.35	85.87	2	3.356	—21 55 49.9	85.87	2	17.04	Lal., O. A., Tac.
2446	8	14 07 37.84	85.39	3	+3.325	—19 40 06.4	85.39	3	—17.02	Lal., O. A., Tac. Proper motion.
2447	7.5	08 27.11	86.33	3	3.339	—20 31 36.5	86.33	3	16.99	Lal., O. A., Tac
2448	8.2	08 41.76	85.71	3	3.360	—22 01 36.2	85.71	3	16.97	Lal., Bonn VI., Tac.
2449	9.5	09 14.20	85.72	3	3.324	—19 25 06.0	85.72	3	16.95	O. A.
2450	9	10 39.57	86.36	3	3.346	—20 47 47.1	86.36	3	16.88	

Number.....	Magnitudes.	Mean R. A. 1885.0	Epoch.....	No. of Obs..	Ann. Prec...	Mean Declination. 1885.0	Epoch.....	No. of Obs..	Ann. Prec...	Authorities.
		H. M. S.			s.	° ′ ″			″	
2451	8	14 10 46.17	85.82	4	+3.353	−21 15 08.4	85.82	4	−16.88	O. A.
2452	9	10 54.89	86.04	3	3.335	−19 56 09.4	86.04	3	16.87	
2453	7	11 04.56	85.72	3	3.328	−19 25 45.9	85.72	3	16.87	Lal., O. A., Tac.
2454	8.5	11 12.84	86.36	3	3.339	−20 13 29.2	86.36	3	16.86	
2455	7.2	11 15.40	85.82	4	3.355	−21 17 40.7	85.82	4	16.86	O. A.
2456	8.7	14 11 43.38	86.88	2	+3.324	−19 05 43.6	86.88	2	−16.83	O. A.
2457	8.5	11 44.38	85.39	3	3.332	−19 38 20.0	85.39	3	16.83	
2458	8.2	12 03.35	86.88	2	3.324	−19 01 44.4	86.88	2	16.82	O. A.
2459	8	13 23.15	86.09	4	3.345	−20 20 39.9	86.15	5	16.75	Lal., O. A., Tac.
2460	8.5	15 06.01	85.90	2	3.330	−19 09 09.4	85.90	2	16.67	Lal., Bonn VI.
2461	9.2	14 15 10.45	86.71	3	+3.332	−19 15 18.3	86.71	3	−16.66	
2462	9	15 17.50	86.31	3	3.359	−21 04 12.9	86.31	3	16.66	O. A.
2463	9	15 46.96	85.89	2	3.344	−19 58 11.2	85.89	2	16.63	
2464	8.8	16 02.87	86.04	3	3.344	−19 57 13.2	86.19	5	16.62	O. A.
2465	7.2	16 08.76	86.09	4	3.348	−20 13 58.2	86.02	3	16.62	O. A.
2466	8.5	14 16 35.82	85.73	3	+3.341	−19 40 38.5	85.73	3	−16.60	
2467	8	17 29.29	85.97	3	3.365	−21 11 00 3	85.97	3	16.56	
2468	7.5	17 35.18	85.72	3	3.336	−19 16 33.5	85.72	3	16.55	Lal., O. A., Yar.
2469	7.7	18 01.85	85.90	2	3.336	−19 09 41.1	85.90	4	16.52	Lal., O. A., Yar.
2470	8.2	18 31.81	86.09	4	3.354	−20 21 09.1	86.09	4	16.50	
2471	9	14 18 33.99	86.37	2	+3.349	−20 02 08.7	86.38	3	−16.50	
2472	7.2	19 02.49	85.72	3	3.342	−19 26 41.0	85.72	3	16.47	Lal., O. A.
2473	7	19 04.60	85.72	3	3.342	−19 26 55.7	85.72	3	16.47	Lal., O. A.
2474	8	19 18.54	85.99	3	3.364	−20 54 32.7	85.99	3	16.46	
2475	8	19 27.21	85.70	3	3.375	−21 36 23.2	85.84	4	16.45	Lal., O. A., Bonn VI., Tac.
2476	8.5	14 20 05.12	86.33	3	+3.359	−20 29 46.0	86.59	4	−16.42	
2477	8.5	20 24.56	85.82	4	3.373	−21 20 58.5	85.82	4	16.41	Lal., Bonn VI.
2478	7.5	21 04.22	85.82	4	3.376	−21 28 26.6	86.13	5	16.37	Lal., O. A., Tac.
2479	9	21 10.20	86.36	3	3.358	−20 17 35.5	86.36	3	16.37	O. A., Bonn VI.
2480	9.2	21 11.73	87.02	3	3.359	−20 22 55.7	87.11	4	16.37	O. A.
2481	9.2	14 21 15.81	86.86	2	+3.360	−20 23 51.7	87.03	3	−16.36	O. A.
2482	8	21 51.08	85.86	4	3.355	−20 02 51.3	85.86	4	16.33	Lal., Bonn VI.
2483	8.3	22 03.90	85.66	3	3.378	−21 28 38.7	85.66	3	16.32	O. A., Bonn VI.
2484	8	22 05.81	85.67	3	3.382	−21 45 09.7	85.67	3	16.32	O. A.
2485	9	23 51.09	85.39	3	3.356	−19 49 43.2	85.39	3	16.23	
2486	8	14 23 55.28	86.38	2	+3.374	−20 59 01.8	86.38	2	−16.23	O. A.
2487	7	24 09.68	85.71	3	3.389	−21 56 53.0	85.71	3	16.22	Lal., O. A., Tac. Note.
2488	8.2	24 23.10	85.87	2	3.391	−22 02 50.9	85.87	2	16.20	Lal., O. A.
2489	7.3	24 23.76	86.02	3	3.362	−20 12 18.8	86.02	3	16.20	Lal., Bonn VI., Tac.
2490	9	24 35.60	86.71	3	3.362	−20 11 44.3	86.71	3	16.19	
2491	8	14 24 45.93	85.72	3	+3.351	−19 27 53.2	85.72	3	−16.18	Lal., O. A.
2492	9	25 10.88	87.01	3	3.382	−21 23 29.9	87.01	3	16.16	
2493	8	25 33.69	86.33	3	3.368	−20 26 11.9	86.58	4	16.14	Lal., Bonn VI.
2494	8.5	26 06.39	86.34	4	3.373	−20 41 45.1	86.34	4	16.12	Lal., O. A.
2495	8.2	27 17.63	86.33	3	3.372	−20 31 32.9	86.58	4	16.05	Lal., O. A.
2496	7.5	14 27 43.32	85.90	2	+3.349	−19 00 45.8	85.90	2	−16.03	Lal., Bonn VI., Tac.
2497	7.7	27 55.07	85.71	3	3.395	−21 53 03.1	85.71	3	16.02	Lal., O. A.
2498	9	28 57.06	85.90	2	3.353	−19 07 58.9	85 90	2	15.97	O. A., Bonn VI.
2499	7.7	29 36.31	85.85	4	3.395	−21 40 27.9	85.85	4	15.93	Lal., O. A., Tac., Arm. 2.
2500	8.8	30 21.54	86.00	5	3.363	−19 36 48.9	85.90	4	15.90	O. A.

Number.....	Magnitudes.	Mean R. A. 1885.0	Epoch.....	No. of Obs.	Ann. Prec...	Mean Declination. 1885.0	Epoch.....	No. of Obs.	Ann. Prec...	Authorities.
		H. M. s.			s.	° ′ ″			″	
2501	8.2	14 30 31.36	85.75	5	+3.396	−21 38 15.6	85.75	5	−15.89	Lal., O. A., Lam., Tac.
2502	9	31 20.82	86.13	4	3.370	−19 55 32.2	86.13	4	15.84	Lal., O. A.
2503	9	32 18.21	85.87	2	3.406	−22 02 22.5	85.87	2	15.79	
2504	8.8	32 19.04	86.39	4	3.364	−19 26 34.7	86.39	4	15.79	Lal., O. A.
2505	7.5	32 22.42	85.76	5	3.403	−21 49 47.9	85.76	5	15.78	Lal., O. A., Lam., Arm. 2.
2506	7.8	14 32 49.58	86.15	4	+3.371	−19 51 34.4	86 15	4	−15.76	O. A.
2507	9	32 58.66	86.88	2	3.363	−19 22 09.8	86.88	2	15.75	O. A.
2508	8.5	33 20.24	86.08	4	3.394	−21 10 28.2	86.08	4	15.73	Lal., O. A., Tac.
2509	7.5	34 33.47	85.39	3	3.412	−22 07 25.6	85.39	3	15.67	Lal., O. A., Tac.
2510	7.2	34 57.14	86.07	3	3.367	−19 26 02.1	86.07	3	15.64	Lal., O. A.
2511	9	14 35 14.88	86.08	3	+3.373	−19 42 45.6	86.08	3	−15.62	O. A.
2512	9	36 04.00	87.02	3	3.390	−20 42 07.3	87.02	3	15.58	Lal., Bonn VI., Tac.
2513	7.5	36 18.06	86.88	2	3.360	−18 49 10.5	86.88	2	15.57	Lal., O. A.
2514	8.7	37 35.80	85.84	4	3.406	−21 28 35.4	85.84	4	15.50	O. A.
2515	9.5	38 13.63	86.87	2	3.382	−19 59 41.5	86.87	2	15.46	O. A.
2516	8.7	14 38 21.56	86.00	3	+3.405	−21 21 14.4	86.00	3	−15.45	
2517	8	39 10.62	85.39	3	3.417	−21 55 28.1	85.39	3	15.41	Lal., O. A., Tac. [Note.
2518	6.7	39 39.65	86.57	4	3.396	−20 41 11.7	86.57	4	15.38	Lal, O. A., Green., Brux., Cape.
2519	9	39 50.02	87.02	3	3.396	−20 39 26.7	87.02	3	15.37	
2520	7.5	39 54.48	85.39	3	3.418	−21 55 05.6	85.39	3	15.37	Lal., O. A., Tac.
2521	9	14 40 12.54	86.12	4	+3.414	−21 41 03.3	86.12	4	−15.35	
2522	8.5	40 17.88	85.87	2	3.420	−21 59 20.6	86.05	3	15.35	
2523	6.5	40 41.50	86.08	4	3.401	−20 50 25.7	86.08	4	15.33	Lal., O. A., Green., Brux., Cape.
2524	7.3	42 57.80	86.07	3	3.380	−19 25 28.7	86.07	3	15.20	Lal., Bonn VI.
2525	9.5	43 22.60	86.87	2	3.392	−20 03 51.6	86.87	2	15.17	O. A.
2526	9	14 43 23.60	86.05	3	+3.421	−21 45 21.4	85.87	2	−15.17	
2527	8.5	43 39.31	85.72	3	3.428	−22 05 36.7	85.72	3	15.16	O. A.
2528	8.7	43 40.54	86.38	2	3.409	−21 02 39.2	86.38	2	15.16	
2529	9	43 59.83	86.36	3	3.397	−20 17 21.8	86.36	3	15.14	O. A.
2530	9.5	44 01.54	85.91	2	3.424	−21 52 05.0	85.91	2	15.14	
2531	9	14 44 10.11	86.40	2	+3.376	−19 04 38.7	86.40	2	−15.13	O. A.
2532	8	44 25.53	85.90	2	3.375	−19 00 06.8	85.90	2	15.11	O. A.
2533	9	45 10.30	86.02	3	3.421	−21 35 25.5	86.12	4	15.07	O. A. Note.
2534	7.8	45 13.61	86.36	3	3.396	−20 08 21.5	86.36	3	15.07	O. A., Bonn VI.
2535	8.8	45 38.25	86.68	3	3.400	−20 20 16.4	86.68	3	15.04	O. A., Brux.
2536	8.5	14 46 44.35	86.09	4	+3.416	−21 07 55.3	86.09	4	−14.98	O. A.
2537	8.7	47 09.17	85.89	2	3.419	−21 14 25.0	85.89	2	14.95	O. A.
2538	7.5	47 09.28	86.15	4	3.388	−19 30 00.6	86.15	4	14.95	Lal., O. A.
2539	9	48 29.50	86.38	2	3.415	−20 53 08.2	86.70	3	14.88	O. A., Brux.
2540	7.5	48 34.60	86.15	4	3.391	−19 32 36.2	86.15	4	14.87	Lal., O. A.
2541	9.2	14 49 06.10	86.40	2	+3.394	−19 40 11.0	86.40	2	−14.84	O. A.
2542	7.7	49 39.02	86.64	4	3.399	−19 55 21.5	86.64	4	14.80	O. A.
2543	8.2	49 49.06	85.87	4	3.428	−21 31 07.6	85.72	3	14.80	O. A., Bonn VI., Wash. '72, '74.
2544	8.8	50 04.82	86.71	3	3.403	−20 04 51.6	86.71	3	14.78	O. A.
2545	8.2	50 16.50	86.37	4	3.402	−20 01 21.5	86.37	4	14.77	O. A.
2546	7.8	14 50 50.04	85.64	4	+3.433	−21 41 10.1	85.64	4	−14.74	[Proper motion. Lal., O. A., Bonn VI., Tac., Yar.
2547	9	51 01.52	86.40	3	3.397	−19 39 59.7	86.40	3	14.72	O. A.
2548	8.2	52 04.38	86.07	3	3.391	−19 15 48.8	86.39	4	14.67	Lal., O. A.
2549	7.5	52 04.76	85.72	3	3.440	−21 56 16.8	85.72	3	14.67	Lal., O. A., Tac.
2550	9.5	52 17.64	86.85	2	3.412	−20 24 12.4	87.02	3	14.65	

Number.....	Magnitudes.	Mean R. A. 1885.0	Epoch.....	No. of Obs.	Ann. Prec...	Mean Declination. 1885.0	Epoch.....	No. of Obs.	Ann. Prec...	Authorities.
		H. M. S.			s.	° ′ ″			″	
2551	9	14 52 38.36	86.39	3	+3.396	—19 28 22.1	86.64	4	—14.63	
2552	8.7	53 12.30	86.36	3	3.419	—20 43 10.0	86.36	3	14.60	Lal., Bonn VI.
2553	9.2	54 51.10	86.05	3	3.441	—21 46 32.5	85.87	2	14.50	O. A.
2554	9	54 56.04	85.89	2	3.421	—20 39 06.9	85.89	2	14.49	O. A.
2555	9	55 09.23	85.89	2	3.423	—20 46 47.1	85.89	2	14.48	O. A., Brux.
2556	9	14 55 29.10	87.05	3	+3.410	—20 00 02.3	87.05	3	—14.46	
2557	9	55 36.36	86.15	4	3.406	—19 49 17.6	86.15	4	14.45	
2558	9	55 41.52	86.06	3	3.437	—21 27 02.4	86.06	3	14.44	
2559	8	55 53.37	85.72	6	3.439	—21 33 35.0	85.72	6	14.43	Lal., O. A.
2560	8.8	56 10.34	86.05	3	3.436	—21 22 34.3	86.05	3	14.41	Lal., Bonn VI.
2561	9.2	14 58 18.22	86.08	3	+3.447	—21 46 18.5	86.40	4	—14.29	
2562	8.7	58 45.88	85.90	2	3.399	—19 09 18.4	85.90	2	14.26	O. A.
2563	8.8	59 15.15	86.39	3	3.415	—19 58 02.7	86.39	3	14.23	O. A.
2564	7.5	59 24.99	85.39	3	3.453	—21 57 22.7	85.39	3	14.21	Yar., Brux.
2565	7.5	59 42.92	86.88	2	3.396	—18 55 43.7	86.88	2	14.20	Lal., O. A.
2566	7	14 59 48.99	85.68	7	+3.446	—21 35 00.7	85.68	7	—14.19	Lal., O. A., Yar.
2567	8.7	59 49.24	86.69	3	3.443	—21 24 22.9	86.36	4	14.19	
2568	9	15 00 12.50	86.40	4	3.412	—19 45 24.8	86.60	5	14.17	O. A., Bonn VI.
2569	8.3	00 44.39	86.15	4	3.413	—19 46 41.4	86.15	4	14.14	O. A.
2570	8.8	00 50.42	86.37	3	3.423	—20 15 28.3	86.37	3	14.13	Lal., Bonn VI.
2571	8.2	15 01 43.64	85.61	5	+3.450	—21 39 15.6	85.61	5	—14.07	Lal., O. A., Yar.
2572	8	02 12.55	86.37	3	3.424	—20 15 07.9	86.37	3	14.04	
2573	9.3	02 26.20	85.91	4	3.454	—21 47 56.3	85.91	4	14.03	O. A., Yar.
2574	9.5	02 26.90	86.89	2	3.419	—19 57 44.4	87.05	3	14.03	
2575	9	02 29.07	86.00	5	3.454	—21 46 28.5	86.00	5	14.03	O. A., Bonn VI., Yar.
2576	9	15 02 55.31	86.41	3	+3.442	—21 07 18.6	86.41	3	—14.00	O. A.
2577	9	03 08.46	86.41	3	3.446	—21 18 03.9	86.41	3	13.99	
2578	7	03 14.15	86.38	4	3.423	—20 04 45.3	86.38	4	13.98	Lal., Bonn VI.
2579	8.5	04 26.75	85.66	4	3.455	—21 38 20.0	85.66	4	13.90	Lal., O. A., Tac.
2580	9	04 56.77	86.06	3	3.440	—20 52 26.5	86.06	3	13.87	O. A.
2581	9.3	15 05 26.98	86.07	3	+3.462	—21 55 44.5	86.07	3	—13.84	O. A.
2582	9	05 59.85	86.38	3	3.435	—20 30 33.4	86.38	3	13.80	O. A.
2583	9.5	06 42.99	86.89	2	3.423	—19 49 12.1	87.05	3	13.76	O. A. [Cape.
2584	6.5	06 46.11	85.90	2	3.411	—19 12 49.3	85.90	2	13.76	Lal., O. A., Yar., Green., Brux.,
2585	9	08 55.42	86.40	3	3.425	—19 47 16.5	86.40	3	13.61	O. A.
2586	8.8	15 09 09.95	86.04	3	+3.440	—20 30 41.5	86.04	3	—13.60	Lal., O. A., Yar. Proper motion.
2587	9	09 15.35	86.88	2	3.413	—19 06 55.6	86.88	2	13.60	O. A.
2588	8.5	10 10.88	86.40	5	3.423	—19 34 24.9	86.40	5	13.54	O. A.
2589	7.7	11 14.35	86.37	3	3.439	—20 17 51.8	86.62	4	13.47	Lal., O. A., Tac., Yar.
2590	8	11 43.31	86.04	3	3.442	—20 26 18.3	86.04	3	13.44	Lal., O. A., Yar.
2591	7.5	15 12 05.94	85.89	2	+3.448	—20 40 55.9	85.89	2	—13.41	Lal., O. A., Yar.
2592	8.3	13 12.04	86.04	3	3.444	—20 26 57.9	86.04	3	13.35	Lal., O. A., Yar.
2593	7.2	13 16.71	85.90	2	3.419	—19 07 53.7	85.90	2	13.34	Lal., O. A.
2594	9	13 45.57	86.08	3	3.473	—21 50 30.0	86.08	3	13.30	Lal., Bonn VI., Yar.
2595	9	14 26.61	86.43	3	3.474	—21 48 02.4	86.43	3	13.26	Lal., Bonn VI.
2596	9	15 14 37.96	86.45	3	+3.471	—21 39 00.9	86.43	3	—13.25	
2597	9.5	15 45.04	85.94	2	3.483	—22 09 10.5	86.12	3	13.17	
2598	9.2	15 55.41	86.73	3	3.421	—19 05 19.4	86.73	3	13.16	
2599	8.5	16 36.38	86.07	3	3.428	—19 22 31.8	86.07	3	13.11	
2600	9.2	17 06.21	86.41	3	3.428	—19 20 33.4	86.41	3	13.08	

Number.....	Magnitudes.	Mean R. A. 1885.0	Epoch.....	No. of Obs..	Ann. Prec...	Mean Declination. 1885.0	Epoch.....	No. of Obs..	Ann. Prec...	Authorities.
		H. M. S.			s.	° ′ ″			″	
2601	8.7	15 17 12.12	85.94	2	+3.481	—21 56 26.6	86.12	3	—13.07	Lal., Bonn VI., Tac.
2602	9	17 32.87	86.38	3	3.450	—20 25 55.3	86.38	3	13.05	O. A.
2603	8.2	17 54.19	86.15	4	3.433	—19 33 16.1	86.15	4	13.03	Lal., O. A., Lam.
2604	7.8	18 16.84	85.76	3	3.476	—21 38 07.8	85.76	3	13.01	Lal., O. A., Yar.
2605	7.7	18 42.14	85.90	4	3.474	—21 31 18.5	85.90	4	12.98	Lal., O. A.
2606	7	15 19 26.14	86.38	4	+3.464	—20 58 26.7	86.38	4	—12.93	Lal., O. A., Yar., Wash. '74.
2607	9	19 57.67	86.38	3	3.447	—20 05 33.2	86.38	3	12.89	O. A.
2608	8	20 02.68	85.78	3	3.488	—22 06 01.8	85.78	3	12.88	O. A., Yar.
2609	7.2	20 13.94	86.15	4	3.437	—19 36 03.9	86.15	4	12.87	Lal., O. A., Tac., Arm. 2.
2610	9.5	20 26.08	86.90	2	3.476	—21 28 12.3	86.74	3	12.86	Green. '50.
2611	8.8	15 20 28.25	86.68	3	+3.453	—20 20 02.8	86.68	3	—12.86	Lal., O. A.
2612	9	21 21.00	86.41	2	3.437	—19 29 26.6	86.41	2	12.80	O. A.
2613	7.2	21 39.02	86.12	4	3.464	—20 48 27.7	86.12	4	12.78	Lal., O. A., Lam., Rūm.
2614	9	21 52.18	86.41	3	3.477	—21 24 49.8	86.41	3	12.76	
2615	8.7	22 18.05	86.15	4	3.444	—19 48 30.5	86.15	4	12.74	O. A.
2616	9.2	15 22 33.62	85.92	2	+3.496	—22 18 06.1	85.94	2	—12.72	
2617	8.5	22 49.26	86.75	3	3.429	—19 00 17.6	86.75	3	12.70	Lal., O. A.
2618	8	24 01.89	85.90	4	3.481	—21 29 00.0	85.90	4	12.62	Lal., O. A., Tac., Yar.
2619	9	24 03.27	86.18	4	3.488	—21 47 41.0	86.18	4	12.62	O. A.
2620	6.8	25 06.46	86.20	5	3.447	—19 46 14.0	86.20	5	12.54	O. A., Green., Brux., Cape. Note.
2621	8.5	15 25 17.86	86.39	3	+3.457	—20 14 08.3	86.39	3	—12.53	Lal., O. A.
2622	7	25 28.64	85.92	4	3.485	—21 34 25.6	85.92	4	12.52	Lal., O. A., Tac., Yar.
2623	8.5	25 58.51	86.75	3	3.433	—19 00 36.2	86.75	3	12.49	Lal., O. A.
2624	9.5	26 00.85	86.39	4	3.463	—20 28 11.9	86.59	5	12.48	
2625	9	27 03.87	86.39	3	3.458	—20 09 31.4	86.39	3	12.41	Lal., O. A.
2626	8	15 27 29.05	85.90	4	+3.474	—20 55 22.9	85.90	4	—12.38	
2627	8.5	27 48.17	86.16	4	3.488	—21 31 50.4	86.16	4	12.36	O. A.
2628	8.7	28 31.37	85.75	3	3.469	—20 37 17.5	85.75	3	12.31	Lal., Bonn VI., Tac.
2629	8	29 26.01	85.96	4	3.486	—21 21 35.8	85.96	4	12.25	Lal., O. A. Proper motion.
2630	9	30 37.15	86.41	3	3.481	—21 02 10.3	86.41	3	12.17	
2631	7	15 30 48.12	85.76	3	+3.496	—21 44 10.4	85.76	3	—12.15	Yar.
2632	9	31 31.43	86.90	2	3.481	—20 58 58.2	87.06	3	12.10	
2633	8.5	31 39.79	86.41	3	3.460	—19 58 11.6	86.41	3	12.09	O. A.
2634	7	31 49.15	86.15	4	3.451	—19 31 53.3	86.22	5	12.08	Lal., O. A. Proper motion.
2635	8.5	31 52.29	86.09	3	3.487	—21 13 14.0	86.09	3	12.08	Lal., Bonn VI.
2636	8.8	15 32 04.14	86.41	3	+3.456	—19 46 52.4	86.41	3	—12.06	
2637	7.5	32 17.28	85.78	3	3.506	—22 05 47.9	85.78	3	12.05	
2638	8	32 22.57	86.17	4	3.448	—19 21 17.9	86.17	4	12.04	Lal., O. A.
2639	8.7	32 59.47	85.81	3	3.476	—20 38 29.6	85.81	3	12.00	O. A.
2640	9	33 03.89	86.74	3	3.457	—19 45 21.5	86.74	3	11.99	
2641	8.7	15 33 11.71	85.96	2	+3.448	—19 20 19.5	86.44	3	—11.98	Lal., O. A.
2642	7.5	33 16.38	86.17	4	3.450	—19 23 35.1	86.17	4	11.98	Lal., O. A.
2643	9.5	33 43.39	85.93	2	3.476	—20 35 31.8	85.98	2	11.95	O. A.
2644	8	34 01.62	85.94	4	3.490	—21 13 50.0	85.94	4	11.93	Lal., Bonn VI., Wash.'72,'74.
2645	8.5	35 18.15	86.10	3	3.446	—19 05 18.7	86.44	2	11.84	Lal., O. A.
2646	8.2	15 35 27.11	85.92	4	+3.498	—21 31 43.0	85.92	4	—11.82	
2647	9	36 12.19	86.42	2	3.464	—19 52 40.1	86.42	2	11.77	
2648	9	36 38.66	85.47	3	3.483	—20 44 56.8	85.47	3	11.74	O. A.
2649	8.8	37 19.54	85.94	2	3.519	—22 20 18.5	86.43	3	11.69	O. A.
2650	9	37 34.64	86.44	2	3.456	—19 25 24.0	86.10	3	11.67	O. A.

Number	Magnitudes.	Mean R. A. 1885.0	Epoch.....	No. of Obs..	Ann. Prec...	Mean Declination. 1885.0	Epoch.....	No. of Obs..	Ann. Prec...	Authorities.
		H. M. S.			s.	° ′ ″			″	
2651	8.8	15 37 42.71	86.10	3	+3.454	—19 20 48.7	86.20	4	—11.67	O. A.
2652	9	38 13.41	86.73	3	3.500	—21 27 06.4	86.73	3	11.63	O. A. [Proper motion.
2653	8	40 40.51	86.19	4	3.474	—20 06 28.7	86.19	4	11.46	Lal., Bonn VI., Wash. 74.
2654	8	40 49.02	85.86	5	3.491	—20 52 33.2	85.86	5	11.45	Bonn VI., Yar.
2655	9	41 11.82	86.10	3	3.458	—19 20 42.2	86.20	4	11.42	O. A., Yar.
2656	8.8	15 41 42.48	86.41	3	+3.474	—20 02 23.3	86.80	5	—11.38	Bonn VI.
2657	8.8	42 04.24	86.12	3	3.492	—20 51 46.7	86.12	3	11.35	O. A.
2658	9.2	42 09.94	85.96	2	3.453	—19 03 27.4	85.96	2	11.35	O. A., Yar.
2659	8	42 14.26	86.19	4	3.476	—20 05 38.1	86.19	4	11.34	Bonn VI., Lam.
2660	8.7	42 23.27	85.94	2	3.517	—21 56 52.1	85.94	2	11.33	
2661	8	15 42 41.89	86.41	3	+3.473	—19 55 53.6	86.41	3	—11.31	O. A.
2662	7.8	42 58.43	85.81	3	3.484	—20 25 27.4	85.81	3	11.29	O. A., Bonn VI.
2663	7.7	43 13.14	85.93	4	3.500	—21 08 13.6	85.93	4	11.27	Lal., O. A.
2664	8	43 48.65	85.97	4	3.486	—20 29 47.1	85.97	4	11.23	Lal., O. A., Bonn VI.
2665	8	44 19.39	85.94	2	3.527	—22 16 35.0	85.94	2	11.19	Lal., O. A., Tac., Lam.
2666	9.2	15 44 38.65	85.94	2	+3.526	—22 14 35.5	85.94	2	—11.17	Lal., O. A.
2667	8	44 48.48	86.11	3	3.482	—20 14 21.5	86.11	3	11.16	Lal., O. A., Bonn VI., Tac.
2668	8.5	45 25.10	85.94	4	3.507	—21 20 07.5	85.94	4	11.11	O. A.
2669	8.3	46 36.97	85.77	3	3.515	—21 37 35.9	85.77	3	11.03	Yar.
2670	9	47 11.84	86.66	4	3.479	—19 58 19.2	86.66	4	10.98	O. A.
2671	8.5	15 48 06.20	85.87	5	+3.491	—20 28 40.8	85.87	5	—10.91	O. A.
2672	8.8	48 21.56	86.12	3	3.491	—20 27 02.2	86.12	3	10.89	O. A.
2673	9	49 03.98	85.97	2	3.495	—20 36 24.0	86.15	3	10.84	
2674	8.5	49 20.18	86.74	3	3.509	—21 11 12.9	86.90	4	10.82	Lal., Bonn VI. Proper motion.
2675	8	49 39.52	85.97	4	3.492	—20 26 17.0	85.97	4	10.80	Lal., O. A., Tac.
2676	8.7	15 49 54.26	85.94	4	+3.521	—21 41 26.6	86.05	5	—10.78	
2677	8.8	49 55.87	86.41	3	3.485	—20 05 43.7	86.41	3	10.78	O. A.
2678	8.8	50 04.80	85.78	3	3.525	—21 52 57.6	85.78	3	10.77	Yar.
2679	9	50 23.94	86.74	3	3.511	—21 14 41.1	86.74	3	10.75	[Brux., Cape.
2680	7.5	50 28.40	85.93	4	3.509	—21 09 00.1	85.93	4	10.74	Lal., Bonn VI., Tac., Yar.,
2681	9.2	15 51 45.09	87.39	2	+3.509	—21 04 03.3	87.06	3	—10.64	
2682	7.8	51 47.17	85.47	3	3.497	—20 33 38.8	85.47	3	10.64	Lal., O. A., Tac., Yar.
2683	9	52 06.47	85.96	2	3.468	—19 12 43.0	85.96	2	10.62	
2684	8.5	52 16 50	85.47	3	3.501	—20 41 09.3	85.73	4	10.61	Lal., O. A., Camb. Note.
2685	7.7	52 27.20	86.15	4	3.477	—19 36 26.3	86.15	4	10.59	Lal., Bonn VI., Yar. Note.
2686	9	15 54 21.35	86.10	3	+3.530	—21 50 34.7	86.10	3	—10.45	O. A.
2687	7	54 21.82	85.70	4	3.506	—20 49 43.9	85.70	4	10.45	Lal., O. A.
2688	7.5	55 08.95	85.94	4	3.526	—21 39 20.9	85.94	4	10.40	Lal., Bonn VI., Tac.
2689	9	55 22.11	86.12	3	3.499	—20 25 59.0	86.22	4	10 38	O. A.
2690	8	55 35.22	86.10	3	3.469	—19 07 46.8	86.10	3	10.36	O. A., Camb., Brux.
2691	8.2	15 57 03 20	86.08	3	+3.474	—19 15 20.3	86.45	4	—10.25	Lal., Bonn VI., Tac.
2692	8.8	57 18.71	85.93	4	3 528	—21 36 17.8	85.93	4	10.23	Lal., O. A. Proper motion.
2693	8	57 19.61	86.42	5	3.478	—19 26 53.6	86.42	5	10.23	O. A., Lam., Rüm., Brux.
2694	8.2	58 11 58	85.73	4	3.505	—20 34 57.3	85.73	4	10.16	Bonn VI.
2695	8	58 54.93	86.11	3	3.496	—20 07 28.0	86.11	3	10.11	Bonn VI.
2696	7.5	15 58 56.82	85.93	4	+3.528	—21 31 26.4	85.93	4	—10.11	O. A., Yar.
2697	8	59 03.92	86.16	4	3.478	—19 21 56.2	86.16	4	10.10	O. A., Yar., Brux., Cape.
2698	8.7	59 10.16	85.80	3	3.512	—20 50 20.4	85.98	4	10.09	O. A.
2699	7.7	16 00 04.45	85.93	4	3.530	—21 33 08.1	85.93	4	10.02	Lal., O. A., Tac., Yar.
2700	8.8	00 30.72	85.77	3	3.535	—21 44 54.6	85.77	3	9.99	Lal., O. A., Tac., Yar.

Number.....	Magnitudes.	Mean R. A. 1885.0	Epoch.....	No. of Obs.	Ann. Prec...	Mean Declination. 1885.0	Epoch.....	No. of Obs.	Ann. Prec...	Authorities.
		H. M. S.			s.	° ′ ″			″	
2701	8 2	16 00 41.52	86 02	2	+3 509	—20 37 52.5	86.50	3	—9.98	[motion. Lal., O. A., Bonn VI., Yar. Proper
2702	8.2	00 59 08	86.42	3	3.520	—21 06 05.6	86.42	3	9.95	O. A., Bonn VI.
2703	9	01 08.49	86.42	3	3.488	—19 40 45.5	86.42	3	9.94	O. A.
2704	8.5	01 51.08	85.97	4	3.506	—20 27 01 5	85.97	4	9.89	Lal., O. A., Tac. Proper motion.
2705	8	02 40.25	86.42	3	3.477	—19 09 02.0	86.42	3	9.82	Lal., O. A., Tac., Camb., Brux.
2706	8 5	16 02 51.16	85.81	3	+3.504	—20 18 37.1	85 81	3	—9.81	Lal., O. A.
2707	7.5	03 09.45	85.78	3	3.546	—22 06 17.3	85.78	3	9.79	O. A.
2708	7 3	03 32.05	85.77	3	3.541	—21 51 09.4	85.77	3	9 76	Lal., O. A., Tac.
2709	8.5	04 01.43	85.94	2	3.542	—21 53 38.8	85.94	2	9.72	Lal., O. A. Note.
2710	9	04 11.98	86.42	2	3.492	—19 42 33.6	86.77	3	9.71	O. A.
2711	9	16 04 14.11	86.42	2	+3.500	—20 05 51.2	86.42	2	—9.71	O. A.
2712	8.5	05 03.32	85.94	2	3.552	—22 14 40.3	85.94	2	9.64	Lal., O. A. Note.
2713	8.8	05 05.74	85.84	3	3 517	—20 45 53.8	85.84	3	9.64	Bonn VI.
2714	9.2	05 09.95	86.49	2	3.518	—20 48 20.8	86.49	2	9.63	Bonn VI.
2715	8	05 40.44	86.43	5	3.483	—19 16 46.6	86.43	5	9.59	Lal., O. A.
2716	8	16 06 02.77	86.44	4	+3.482	—19 12 17.4	86.44	4	—9.56	O. A., Camb., Brux.
2717	8.2	07 32.12	85.77	3	3.545	—21 50 29.8	85.77	3	9.45	O. A., Lam.
2718	7	07 43.16	85 67	5	3.521	—20 48 49.3	85.81	6	9.44	Lal., O. A., Tac., Lam., Yar.
2719	9	07 57.10	86.41	3	3.501	—19 56 26.1	86.41	3	9.42	O. A.
2720	7.5	08 04.16	85.78	3	3.551	—22 05 14.6	85.78	3	9.41	Lal., O. A., Tac.
2721	9	16 08 42.00	86.42	2	+3.533	—21 17 50.8	86.42	2	—9.36	O. A.
2722	8.3	09 07.52	86.42	4	3.498	—19 47 07.8	86.42	4	9.33	Lal., O. A., Tac.
2723	6.8	10 12.20	85.80	3	3.528	—21 00 56.5	86.20	4	9.24	O. A., Yar.
2724	8.5	10 59.20	86.19	4	3.543	—21 36 53.2	86.19	4	9.18	O. A.
2725	9	11 52.18	86.10	3	3.537	—21 18 30.7	86.42	4	9.11	O. A., Yar.
2726	7	16 12 23.59	86.41	3	+3.505	—19 56 11.1	86.41	3	—9.07	[Camb., Brux., Cape. Lal., O. A., Tac., Lam., Green.,
2727	8.5	13 09.80	85.85	3	3.519	—20 30 11.8	85.85	3	9.02	O. A.
2728	8.5	13 20.51	86 42	4	3.502	—19 45 54.3	86.42	4	9.00	Lal., O. A., Tac., Brux.
2729	8	13 21.95	86.42	4	3.502	—19 46 37.4	86.42	4	9.00	Lal., O. A., Tac., Brux.
2730	9	13 40.81	86.10	3	3.537	—21 13 46.5	86.42	4	8.97	O. A.
2731	8	16 13 46 62	86.42	4	3.504	—19 50 18.4	86.42	4	—8.96	Lal., O. A., Brux.
2732	7	13 54.88	85.93	4	3.545	—21 33 45 8	85.93	4	8.95	O. A., Yar.
2733	9	14 26 06	86.95	2	3.500	—19 39 42.1	86.95	2	8.91	Lal., O. A. Proper motion.
2734	8.8	14 32.20	85 94	4	3.552	—21 49 54.4	85.78	3	8.91	O. A.
2735	9	15 22.26	86.10	3	3.542	—21 22 46.6	86.10	3	8.84	O. A.
2736	9.2	16 17 02.08	85.94	2	+3.561	—22 05 58.5	86.12	3	—8.71	
2737	8	18 03.39	85.78	3	3.559	—21 58 04.5	85 78	3	8.63	O. A.
2738	9.5	18 36.16	86 74	3	3 546	—21 25 19.2	86.74	3	8.59	O. A.
2739	9	18 43.36	86 44	4	3.502	—19 34 15.4	86.44	4	8.58	O. A.
2740	7.8	20 25.16	85.77	3	3.559	—21 51 23.1	85.77	3	8.44	O. A., Bonn VI., Tac. Proper mo-
2741	8.5	16 22 31.50	85.94	4	+3.547	—21 18 46.1	85 94	4	—8.27	O. A.
2742	9	22 58.23	86.10	3	3.545	—21 11 30.2	86.10	3	8.24	O. A.
2743	9.5	24 05.61	86.16	3	3 531	—20 34 20.4	86.16	3	8.15	O. A.
2744	8.2	25 39.25	85 99	4	3.531	—20 30 18.6	85.99	4	8.02	Lal., O. A., Tac., Yar.
2745	9.2	25 56.76	86.47	2	3.503	—19 20 41.7	86.47	2	8.00	
2746	9	16 28 03.05	86.42	3	+3.513	—19 41 55.8	86.42	3	—7.83	O. A.
2747	9	28 39.41	85.77	3	3 561	—21 38 04.4	85.77	3	7.78	O. A., Lam.
2748	9	28 51 39	86.41	3	3.521	—20 01 01.0	86.41	3	7.77	O. A.
2749	9	29 49.80	86.47	2	3.498	—19 02 19.6	86.47	2	7.69	O. A.
2750	9	29 55.48	86.46	3	3.506	—19 21 53.0	86.46	3	7.68	

Number.....	Magnitudes.	Mean R. A. 1885.0	Epoch.....	No. of Obs.	Ann. Prec...	Mean Declination. 1885.0	Epoch.....	No. of Obs..	Ann. Prec...	Authorities.
		H. M. S.			s.	° ′ ″			″	
2751	9	16 30 47.97	86.10	3	+3.568	—21 49 15.4	86.10	3	—7.61	O. A., Green.
2752	8.8	35 30.16	86.44	5	3.522	—19 50 24.6	86.44	5	7.23	Lal., O. A.
2753	8.7	35 30.98	86.41	2	3.525	—19 57 55.1	86.41	2	7.22	Lal., O. A.
2754	8.5	35 38.40	86.44	3	3.525	—19 56 31.1	86.44	3	7.21	Lal., O. A.
2755	8.8	36 12.07	85.88	5	3.555	—21 07 19.2	85.88	5	7.17	O. A., Yar.
2756	8	16 36 49.98	85.75	4	+3.539	—20 28 40.6	85.75	4	—7.12	Lal., O. A., Yar. Note.
2757	7.5	37 24.95	85.94	2	3.586	—22 18 22.4	85.94	2	7.07	Lal., O. A., Tac.
2758	9.2	37 39.83	86.48	2	3.519	—19 37 58.3	86.48	2	7.05	O. A.
2759	7.2	38 46.62	86.47	2	3.502	—18 55 24.1	86.47	2	6.96	Lal., O. A., Arm. 2.
2760	9	41 01.94	86.42	3	3.522	—19 40 02.0	86.42	3	6.77	Lal., Bonn VI., Yar.
2761	9	16 41 23.88	86.13	3	+3.561	—21 12 28.1	86.13	3	—6.74	O. A.
2762	8.7	41 24.28	85.75	4	3.549	—20 44 22.3	85.75	4	6.74	Lal., O. A. Proper motion.
5763	9	41 44.82	86.11	3	3.575	—21 44 03.8	86.11	3	6.72	O. A., Cape.
2764	8.2	41 49.10	86.47	2	3.508	—19 04 17.2	86.47	2	6.71	Lal., O. A., Tac. Proper motion.
2765	8.7	42 01.06	86.44	5	3.528	—19 51 37.2	86.44	5	6.69	Lal., O. A.
2766	9	16 42 09.75	86.52	2	+3.561	—21 10 21.4	86.52	2	—6.68	O. A.
2767	8.8	42 14.02	86.08	5	3.537	—20 15 05.9	86.08	5	6.67	O. A., Lam.
2768	9	42 16.24	86.47	2	3.516	—19 24 02.7	86.47	3	6.67	O. A., Bonn VI.
2769	8.5	42 17.99	86.46	3	3.513	—19 15 39.2	86.46	3	6.67	
2770	8.7	42 31.51	86.47	2	3.508	—19 03 13.1	86.80	3	6.65	Lal., Bonn VI.
2771	7.5	16 42 43.80	85.78	3	+3.573	—21 38 54.2	85.78	3	—6.63	Lal., O. A., Brux., Cape.
2772	9	44 09.93	86.42	3	3.523	—19 38 14.7	86.42	3	6.51	Lal., O. A., Tac., Yar.
2773	8	44 19.67	85.99	4	3.543	—20 25 41.3	85.99	4	6.50	
2774	8.2	44 26.26	86.47	2	3.508	—18 59 16.5	86.47	2	6.49	Lal., O. A., Tac.
2775	8.5	44 39.59	86.13	3	3.570	—21 27 22.4	86.13	3	6.47	Lal., O. A., Bonn VI., Yar. Note.
2776	8.5	16 45 08.02	85.75	4	+3.551	—20 41 59.5	85.75	4	—6.43	
2777	8.2	45 36.64	86.46	3	3.513	—19 09 37.9	86.46	3	6.40	Lal., O. A., Tac., Yar.
2778	9	46 09.33	86.44	4	3.534	—19 59 21.1	86.44	4	6.35	O. A.
2779	8.5	47 10.28	86.46	3	3.513	—19 07 15.8	86.46	3	6.27	O. A., Yar.
2780	8.2	47 46.37	86.11	3	3.578	—21 41 26.5	86.11	3	6.21	O. A., Brux.
2781	8.5	16 48 02.90	85.51	5	+3.550	—20 36 19.5	85.51	5	—6.19	O. A.
2782	9	48 33.60	86.46	3	3.517	—19 15 14.2	86.47	4	6.15	O. A.
2783	9	48 38.60	86.46	3	3.519	—19 20 01.3	86.47	4	6.14	O. A.
2784	7	48 41.41	85.49	4	3.571	—21 22 55.2	85.49	4	6.14	Lal., O. A., Tac.
2785	8.8	48 53.00	86.14	3	3.534	—19 54 56.2	86.14	3	6.13	
2786	8.8	16 49 53.44	85.72	4	+3.577	—21 36 45.2	85.72	4	—6.04	O. A. [Cape. Note.
2787	7	50 18.48	86.44	4	3.520	—19 21 24.0	86.44	4	6.00	Lal., O. A., Tac., Rüm., Yar.,
2788	8.5	50 50.18	85.72	4	3.577	—21 35 34.1	85.72	4	5.96	Lal., O. A., Yar.
2789	8.5	51 07.49	86.25	5	3.527	—19 36 36.4	86.25	5	5.94	O. A., Bonn VI.
2790	8.7	51 38.52	85.51	4	3.553	—20 36 23.9	85.51	4	5.89	
2791	9	16 51 52.73	86.46	3	+3.518	—19 13 31.3	86.46	3	—5.88	
2792	9	52 31.78	86.47	2	3.519	—19 15 07.2	86.43	3	5.82	
2793	7.5	53 38.48	85.49	5	3.571	—21 17 06.6	85.49	5	5.72	Lal., O. A., Tac. Proper motion.
2794	8.5	53 45.95	85.51	3	3.549	—20 24 30.5	85.51	3	5.71	O. A.
2795	7.5	55 13.18	85.51	3	3.550	—20 25 33.2	85.51	3	5.60	Lal., O. A., Tac., Yar.
2796	8.5	16 56 31.04	86.23	4	+3.540	—19 58 30.0	86.23	4	—5.48	Bonn VI.
2797	8	56 33.93	86.44	4	3.523	—19 19 29.9	86.44	4	5.48	Lal., O. A., Yar. Proper motion.
2798	8.8	56 39.78	86.23	4	3.538	—19 55 14.4	86.23	4	5.47	Bonn VI.
2799	9	56 50.93	86.13	3	3.573	—21 14 50.6	86.13	3	5.45	
2800	8.7	57 25.25	85.51	3	3.563	—20 52 45.4	85.51	3	5.41	O. A.

Number.....	Magnitudes.	Mean R. A. 1885.0	Epoch.....	No. of Obs..	Ann. Prec...	Mean Declination. 1885.0	Epoch.....	No. of Obs..	Ann. Prec...	Authorities.
		H. M. S.			s.	° ′ ″			″	
2801	8.5	16 58 28.09	85.96	4	+3.542	—20 01 49.5	85.96	4	—5.32	Bonn VI.
2802	7.2	58 36.80	85.81	3	3.591	—21 54 45.8	85.81	3	5.31	O. A.
2803	7.5	58 51.45	85.73	4	3.571	—21 07 12.0	85.73	4	5 29	Lal., O. A., Tac.
2804	8.3	59 23.26	85.89	5	3.571	—21 06 23.1	85 89	5	5.24	O. A.
2805	9	17 00 09.50	86.21	4	3.537	—19 47 22.2	86.21	4	5.18	O. A.
2806	9	17 00 21.52	86.46	3	+3.526	—19 20 48.9	86.46	3	—5.16	
2807	8.5	00 59.58	86.46	3	3.519	—19 03 00.0	86.46	3	5.11	Lal., Bonn VI., Lam., Tac.
2808	8	02 22.28	86.21	4	3.532	—19 31 46.2	86 21	4	4.99	O. A.
2809	8.7	02 38.28	85.72	5	3.560	—20 37 26.5	85.72	5	4.97	Lal., Bonn VI., Brux.
2810	7.5	03 07.61	85.52	4	3.558	—20 31 55.3	85.52	4	4.93	Lal., Bonn VI., Lam., Yar., Brux.
2811	9	17 03 50.36	85.99	2	+3.593	—21 51 29.6	85.99	2	—4.87	[Brux., Cape. Proper motion.
2812	7.2	04 14.72	85.51	5	3.558	—20 30 18.6	85.68	6	4.83	Lal., Bonn VI., Lam., Tac., Yar.,
2813	8	04 15.43	85.51	4	3.562	—20 40 36.7	85.51	4	4.83	Lal., Bonn VI., Tac., Brux.
2814	9	04 26.63	86.19	3	3.576	—21 13 43.4	86 51	3	4.81	O. A.
2815	8.5	05 11.26	85.75	4	3.588	—21 38 44.7	85.90	5	4.75	O. A.
2816	7.2	17 05 46.58	85.76	4	+3.583	—21 27 55.9	85.76	4	—4.70	Lal., O. A.
2817	8.8	07 28.00	85.52	3	3.578	—21 13 28.5	85.52	3	4.56	O. A.
2818	7.8	08 02.42	85.51	5	3.568	—20 50 03.7	85.51	5	4.51	Lal., O. A., Yar.
2819	8.2	08 06.11	86.14	3	3.540	—19 43 46.5	86.14	3	4.50	
2820	9	08 06.12	85.99	2	3.595	—21 54 46.7	85.99	2	4.50	O. A.
2821	8.5	17 08 14.27	85.52	3	+3.579	—21 14 10.4	85.52	3	—4.49	O. A. [Proper motion.
2822	7.7	09 30.81	85.84	3	3.592	—21 43 21.4	85 84	3	4.38	Lal., O. A., Bonn VI., Tac., Camb.
2823	8.5	09 42.85	86.46	3	3.527	—19 12 26.3	86.72	4	4.36	Lal., O. A.
2824	8.5	11 58.41	85.76	4	3.562	—20 31 06.0	85.76	4	4.17	Lal., O. A., Tac. Proper motion.
2825	8.7	12 02.80	85.51	3	3.558	—20 22 31.7	85.51	3	4.16	Lal., O. A., Tac.
2826	8.8	17 12 12.68	85.99	4	+3.560	—20 26 45.4	85.99	4	—4.15	O. A.
2827	9.2	12 32.30	86.47	2	3.534	—19 26 16.5	86.47	3	4.12	
2828	8	13 08.93	86.21	4	3.538	—19 34 58.3	86 21	4	4.07	Lal., Bonn VI.
2829	8.2	13 13.27	86.21	4	3.545	—19 51 37.1	86.21	4	4.07	Lal., O. A., Lam. Proper motion.
2830	6.8	13 49.20	86.46	3	3.529	—19 12 35.8	86.46	3	4.02	Lal., O. A., Lam.
2831	8.5	17 14 14.39	85.97	2	+3.558	—20 21 05.0	85.97	2	—3.98	O. A.
2832	8.7	14 29.57	86.01	2	3.587	—21 26 23.2	86.01	2	3 96	O. A.
2833	8.5	14 50.50	86.17	3	3.553	—20 07 25.4	86.17	3	3 92	
2834	7.5	15 01.43	85.51	3	3.561	—20 27 13.6	85.51	3	3.91	Lal., O. A.
2835	9	15 46.42	86.19	3	3.568	—20 42 26.4	86.28	4	3.84	O. A.
2836	7.8	17 15 47.59	86.44	4	+3.537	—19 29 56.7	86 44	4	—3.84	[motion. O. A., Bonn VI., Lam. Proper
2837	8.2	15 52.45	85.75	4	3.553	—20 06 44.3	85.75	4	3 84	Lal., Bonn VI.
2838	8.2	16 07.61	85.75	4	3.553	—20 06 08.4	85.75	4	3.82	Lal., Bonn VI.
2839	8.2	16 29.51	86.44	4	3.533	—19 20 12.5	86.44	4	3.79	Lal., O. A.
2840	9	17 52.73	86.16	3	3.559	—20 19 42.7	86.16	3	3.67	O. A.
2841	8.8	17 18 21.81	86.23	4	+3.551	—20 00 00.2	86.50	4	—3.63	O. A.
2842	8.3	18 41.72	86.27	5	3.542	—19 38 06.8	86.31	6	3.60	Lal., O. A.
2843	8.5	18 43.24	85.99	4	3.591	—21 31 30.1	85.99	4	3.59	O. A.
2844	9	19 00.79	85.51	3	3.569	—20 40 27.8	85.51	3	3.57	Yar.
2845	9	19 02.33	86.43	3	3.530	—19 11 24.8	86.46	3	3.56	O. A.
2846	9	17 19 37.21	86.46	3	+3.536	—19 24 51.0	87.14	3	—3.52	O. A.
2847	7.5	19 49.40	85.71	5	3.587	—21 21 59 4	85.71	5	3 50	Lal., O. A., Tac., Cape.
2848	8.7	19 50.88	86.03	2	3.586	—21 18 42.3	86 03	2	3.49	O. A.
2849	9	20 32.91	85.74	4	3.563	—20 24 57.1	85.74	4	3.44	
2850	9	20 57.08	86.47	3	3.529	—19 07 18.6	86.47	3	3 40	O. A.

Number.....	Magnitudes.	Mean R. A. 1885.0	Epoch.....	No. of Obs.	Ann. Prec...	Mean Declination. 1885.0	Epoch.....	No. of Obs.	Ann. Prec...	Authorities.
		H. M. S.			s.	° ′ ″			″	
2851	8.2	17 21 24.66	85.51	5	+3.575	—20 51 57.7	85.51	5	—3.36	Lal., O. A., Tac., Yar.
2852	8.5	22 56.68	86.46	3	3.536	—19 22 46.0	86.46	3	3.23	O. A., Yar.
2853	9	23 51.94	86.44	4	3.539	—19 27 58.3	86.44	4	3.15	O. A., Lam. Proper motion.
2854	8.8	24 10.48	85.84	3	3.590	—21 23 42.0	86.25	4	3.12	O. A.
2855	9	25 09.40	86.17	3	3.556	—20 06 54.7	86.17	3	3.04	O. A.
2856	9	17 25 15.63	86.25	4	+3.566	—20 29 41.0	86.16	3	—3.03	O. A.
2857	8.2	25 45.26	85.87	3	3.601	—21 47 19.8	85.87	3	2.99	O. A.
2858	8.8	26 06.72	85.87	3	3.600	—21 44 26.7	85.87	3	2.95	O. A., W. Z. Proper motion.
2859	9	26 34.72	85.52	4	3.572	—20 41 35.2	85.52	4	2.91	Lal., O. A., Tac.
2860	7.5	26 39.38	86.03	2	3.609	—22 05 18.0	86.03	2	2.91	Lal., Bonn VI., Tac.
2861	8.7	17 27 23.00	86.46	3	+3.530	—19 05 32.1	86.46	3	—2.84	Lam. Note.
2862	8.5	27 50.10	86.26	4	3.560	—20 12 23.7	86.26	4	2.81	[Cape.
2863	6.2	28 23.32	86.03	2	3.606	—21 57 54.7	86.03	2	2.76	Lal., O. A., Lam., Yar., Brux.,
2864	9	28 45.09	86.21	4	3.550	—19 49 06.8	86.21	4	2.73	O. A.
2865	9	28 48.12	85.52	4	3.574	—20 43 55.7	85.52	4	2.72	O. A.
2866	8.7	17 28 56.34	85.71	5	+3.584	—21 07 26.4	85.71	5	—2.71	O. A., Bonn VI.
2867	8.5	29 31.48	85.51	5	3.578	—20 54 05.7	85.51	5	2.66	Lal., Bonn VI., Tac.
2868	8.5	29 47.80	85.99	4	3.555	—20 00 02.8	86.02	4	2.63	
2869	8.5	29 54.49	85.51	6	3.578	—20 52 53.0	85.51	6	2.62	Lal., Bonn VI.
2870	7.7	30 16.61	86.47	2	3.527	—18 54 56.2	86.47	2	2.59	Lal., O. A.
2871	8.5	17 30 39.80	85.52	5	+3.571	—20 36 59.5	85.52	5	—2.56	Lal., Bonn VI., Yar.
2872	8.5	30 49.26	85.85	3	3.586	—21 11 05.6	85.85	3	2.55	O. A.
2873	8.7	31 19.90	85.78	4	3.553	—19 54 15.7	86.12	5	2.50	Lal., O. A., Tac.
2874	7	31 50.24	85.55	3	3.604	—21 50 37.7	85.55	3	2.46	Lal., O. A., Brux., Arm. 2.
2875	8.7	32 04.20	86.22	4	3.542	—19 28 12.0	86.22	4	2.44	Lal., O. A., Lam.
2876	9	17 33 59.69	85.72	5	+3.577	—20 48 04 9	85.72	5	—2.27	O. A.
2877	8.5	34 08.18	86.04	2	3.553	—19 54 46.1	86.52	3	2.26	
2878	9	34 30.96	86.49	5	3.540	—19 23 40.6	86.49	5	2.22	O. A., Yar., Brux.
2879	9.3	35 37.35	86.72	4	3.539	—19 20 37.9	86.72	4	2.13	O. A., Yar.
2880	8	35 42.94	85.57	3	3.558	—20 02 46.5	85.57	3	2.12	Lal., Bonn VI., Tac.
2881	8.7	17 37 26.87	85.53	2	+3.601	—21 40 42.4	85.53	2	—1.97	O. A., Yar. [Brux., Yar., Cape.
2882	7.2	37 27.90	86.07	2	3.614	—22 08 31.2	86.24	3	1.97	Lal., O. A., Tac., Lam., Green.,
2883	8.5	37 46.43	86.03	2	3.609	—21 58 17.2	86.03	2	1.94	Lal., O. A., Tac. Proper motion.
2884	8.8	38 18.34	85.55	3	3.601	—21 39 30.9	85.55	3	1.89	O. A., Yar., Brux.
2885	8.5	38 50.48	85.88	3	3.561	—20 09 16.3	86.04	4	1.85	O. A.
2886	9	17 39 17.38	85.83	3	+3.598	—21 32 52 1	86.00	4	—1.81	Lal., O. A., Tac.
2887	9	39 49.72	85.86	3	3.586	—21 05 45.8	85 87	3	1.77	O. A.
2888	8.5	41 52.96	86.03	4	3.551	—19 44 19.5	86.03	4	1.59	
2889	8.2	42 35.54	85.52	4	3.578	—20 47 28.9	85.52	4	1.52	O. A., Bonn VI.
2890	7.5	42 46.36	85.48	3	3.557	—19 58 04.6	85.48	3	1.50	Lal., O. A., Bonn VI.
2891	9.5	17 43 44.05	86.32	4	+3.608	—21 53 42.4	86.56	3	—1.42	O. A.
2892	9.5	43 53.21	86.24	3	3.604	—21 45 20 0	86.24	3	1.41	O. A.
2893	8	44 55.48	85.86	3	3.551	—19 44 37.0	85.86	3	1.32	Lal., Bonn VI. Proper motion.
2894	8.7	44 57.00	85.52	5	3.585	—21 01 35.3	85.52	5	1.32	O. A. [Cape.
2895	7	45 00.78	86.24	4	3 545	—19 29 27.2	86.24	4	1.31	Lal., Bonn VI., Lam., Brux.,
2896	8.5	17 45 04.73	85.53	4	+3.569	—20 24 19.0	85.53	4	—1.31	
2897	8	45 20.21	85.55	4	3.559	—20 02 49.0	85.55	4	1.28	Lal., Bonn VI., Tac., Lam.
2898	7.5	45 32.78	86.46	3	3.534	—19 05 19.8	86.46	3	1.26	O. A., Lam., Yar., Brux., Cape.
2899	9	45 52.40	86.47	2	3.541	—19 20 59.5	86.47	2	1.24	
2900	9	46 11.17	86.20	3	3.580	—20 49 12.9	86.53	3	1.21	O. A.

Number.....	Magnitudes.	Mean R. A. 1885 o	Epoch.....	No. of Obs..	Ann. Prec...	Mean Declination. 1885.o	Epoch.....	No. of Obs..	Ann. Prec...	Authorities.
		H. M. S.			s.	o ′ ″			″	
2901	9.5	17 46 40.73	86.19	3	+3.588	—21 07 34.6	86.19	3	—1.17	O. A.
2902	7.3	46 58.03	85.72	4	3.551	—19 51 37.2	85.72	4	1.14	Lal., O. A., Tac., Lam.
2903	9.2	47 33.09	86.47	2	3.543	—19 25 33.9	86.47	3	1.09	
2904	8.7	47 48.42	85.77	4	3.585	—20 59 52.1	85.72	5	1.07	O. A., Yar.
2905	9	48 11.13	86.17	3	3.568	—20 22 54.6	86.17	3	1.03	O. A.
2906	9	17 48 33.51	86.46	3	+3.539	—19 16 11.2	86.72	4	—1.00	
2907	7.5	49 25.94	85.88	3	3.610	—21 56 08.5	85.88	3	0.92	O. A., Brux., Cape.
2908	8.5	50 06.91	86.46	3	3.540	—19 18 58.2	86.46	3	0.86	O. A.
2909	8.7	50 24.13	86.16	3	3.563	—20 10 50.4	86.16	3	0.84	
2910	8.5	50 37.86	85.57	3	3.557	—19 55 57.7	86.05	4	0.82	
2911	8.5	17 50 45.29	85.58	3	+3.555	—19 52 24.5	85.58	3	—0.81	
2912	8.5	50 46.45	85.52	3	3.575	—20 36 41.7	85.52	3	0.81	
2913	9	50 57.24	86.46	3	3.544	—19 26 03 8	86.72	4	0.79	
2914	9	51 32.29	86.47	2	3.538	—19 12 56.2	86.47	2	0.74	
2915	8.2	52 14.11	85.54	5	3.560	—20 03 00.2	85.54	5	0.68	Lal., O. A., Tac.
2916	9	17 52 28.40	86.46	3	+3.546	—19 31 34.9	86.47	4	—0.66	
2917	8.2	52 39.00	85.53	5	3.586	—21 02 05.7	85.53	5	0.64	O. A., Yar.
2918	9.3	53 13.85	85.88	3	3.605	—21 43 25 6	85.88	3	0.59	
2919	9	53 29.21	85.85	3	3.598	—21 27 28.1	85.85	3	0.57	
2920	8.2	53 37.75	86.46	3	3.538	—19 13 18.9	86.46	3	0.56	Lal., Bonn VI., Tac.
2921	8.5	17 54 05.09	85.52	3	+3.585	—20 58 53.2	85.52	3	—0.52	
2922	8.2	54 13.65	85.52	4	3.580	—20 47 45.9	85.52	4	0.51	Brux.
2923	9	54 15.00	85.57	3	3.555	—19 51 56 6	85.57	3	0.50	O. A.
2924	8.2	54 17.31	85.57	3	3.558	—19 57 34.6	85.57	3	0.50	O. A., W. Z. Proper motion.
2925	7.8	54 43.22	85.88	3	3.616	—22 07 36.8	85.88	3	0.46	O. A.
2926	7.5	17 55 05.76	86.46	3	+3.535	—19 06 03.7	86.72	4	—0.43	Lal., O. A., Bonn VI., Brux. Note.
2927	8.5	55 26.62	85.88	3	3.611	—21 57 37.4	85.88	3	0.40	O. A., Brux.
2928	7.8	55 45.19	85.52	3	3.599	—21 30 24.8	85.52	3	0.37	Yar.
2929	9	56 53.24	86.07	2	3.619	—22 14 19.1	86.07	2	0.27	O. A.
2930	8.5	57 13.39	86.24	4	3.545	—19 27 38.6	86.24	4	0.24	Lal., O. A., Tac.
2931	8.3	17 57 15.71	85.79	4	+3.554	—19 48 42.9	85.79	4	—0.24	Lal., Bonn VI., Tac.
2932	9	57 58.01	85.53	4	3.581	—20 49 31.8	85.53	4	0.18	O. A.
2933	9	58 23.90	86.48	2	3.548	—19 35 24.5	87.17	3	0.14	O. A. [tion.
2934	8.2	58 28.71	85.55	3	3.604	—21 40 31.8	85.55	3	0.13	Lal., Bonn VI., Tac. Proper mo-
2935	8.5	58 35.97	85.85	3	3.590	—21 08 51.5	85 85	3	0.12	O. A.
2936	7	17 58 44.68	85.79	4	+3.553	19 45 38.1	85.79	4	—0.11	Lal., O. A., Tac., Camb.
2937	9	59 07.41	85.86	3	3.551	—19 43 01.4	86.27	4	0.08	Lal., O. A., Tac.
2938	9	59 08.28	86.47	2	3.545	—19 28 10.6	86.81	3	0.08	O. A.
2939	8.7	59 16.52	86.18	3	3.598	—21 28 10.0	86.18	3	0.06	Yar.
2940	9	59 42.38	85.53	4	3.571	—20 27 59.0	85.53	4	0.02	O. A.
2941	8	17 59 53.97	86.07	2	3.614	—22 03 23 1	86.07	2	—0.01	O. A., Lam.
2942	8.2	59 56.51	86.47	2	3.533	—18 59 32.2	86.47	2	0.01	O. A., Lam.
2943	8.3	59 57.15	85.85	3	3.599	—21 30 51.8	85.85	3	—0.01	Lal., Bonn VI., Tac., Yar., Brux.
2944	7	18 00 17.53	85.52	3	3.598	—21 27 16.9	85 52	3	+0.02	Lal., Bonn VI., Green., Brux.,
2945	8	00 27.01	85.77	4	3.591	—21 12 43.2	85.77	4	0.04	Lal., O. A., Yar. [Yar., Cape.
2946	8	18 00 44.32	86.07	2	+3.615	—22 05 19.8	86.07	2	+0.06	O. A.
2947	8	00 47.24	86.05	2	3.609	—21 52 21.5	86.05	2	0.07	
2948	8	01 35.24	85.77	4	3.593	—21 16 00 2	85.77	4	0.14	Lal., O. A., Yar.
2949	8.2	01 37.98	85.57	3	3.556	—19 53 01.3	85.57	3	0.14	[Cape.
2950	7	01 44.73	85.52	3	3.598	—21 27 51.4	85.52	3	0.15	Lal., Bonn VI., Green., Brux., Yar.,

Number.....	Magnitudes.	Mean R. A. 1885.0	Epoch	No. of Obs..	Ann. Prec...	Mean Declination. 1885.0	Epoch.....	No. of Obs..	Ann. Prec...	Authorities.
		H. M. S.			s.	° ′ ″			″	
2951	8	18 01 48.98	86.07	2	+3.617	—22 10 34.6	86 07	2	+0.16	O. A.
2952	8	01 51.83	85.55	5	3.562	—20 06 07.3	85.55	5	0.16	O. A.
2953	8.2	01 59.96	85.53	3	3.584	—20 55 58 9	85.53	3	0.17	O. A.
2954	8.2	02 15.49	85.57	3	3.556	—19 53 28.8	85.57	3	0.20	Lal., Bonn VI.
2955	8.5	02 34.59	85.52	3	3.560	—20 03 07.7	85.52	3	0.23	O. A.
2956	8.5	18 02 36.73	85.87	3	+3.601	—21 35 22.6	86.04	4	+0.23	
2957	8.5	02 49.44	86.48	4	3.542	—19 22 29.5	86.48	4	0.25	O. A., Yar.
2958	8.7	03 20.77	86.01	2	3.595	—21 20 44.3	87.02	2	0.29	O. A.
2959	8	03 48.05	86.07	2	3.619	—22 15 37.1	86.07	2	0.33	O. A., Lam.
2960	9	03 51.58	86.49	3	3.538	—19 11 13.3	86.49	3	0.34	
2961	8.7	18 03 53.83	85.52	4	+3.594	—21 19 53.9	85.52	4	+0.34	O. A.
2962	8.7	04 01.14	86.03	2	3.592	—21 13 38.6	86.53	3	0 35	O. A.
2963	8.8	04 14.39	85.86	3	3.583	—20 54 20.9	85.86	3	0.37	O. A.
2964	6.5	04 25.86	85.79	4	3.555	—19 51 48.5	85.79	4	0.38	[Cape. Lal., Bonn VI., Camb., Brux.,
2965	8.8	04 32.12	86.49	3	3.545	—19 27 41.4	86.84	3	0.40	
2966	8.5	18 04 33.07	85.85	3	+3.578	—20 44 07 8	85.85	3	+0.40	O. A.
2967	7.3	05 06.37	85.53	5	3.571	—20 26 50.3	85.53	5	0.45	Lal., O. A., Tac., Yar.
2968	9	06 00.96	86.03	2	3.574	—20 34 22.3	86.03	2	0.53	O. A.
2969	8	06 07.54	86.03	4	3.553	—19 46 18.9	86.03	4	0.54	O. A.
2970	8.5	06 19.62	85.88	3	3.606	—21 45 17.1	85.88	3	0.55	
2971	9	18 06 20.23	86.53	2	+3.570	—20 26 14.1	86.53	2	+0 55	
2972	8.7	06 20.75	85.72	5	3.593	—21 17 22 5	85.72	5	0.55	O. A.
2973	9	07 47.93	86.50	2	3.535	—19 05 13 7	86.52	3	0.68	O. A.
2974	8	07 53.58	85.88	3	3.613	—22 02 13 4	85.88	3	0 69	Lal., Bonn VI.
2975	8.3	08 10.03	85.52	3	3.583	—20 54 13.2	85.52	3	0.71	Lal., O. A., Lam.
2976	9.2	18 08 14.16	86.50	2	+3.539	—19 14 16.3	86.50	2	+0.72	
2977	7	08 22.31	85.53	4	3.570	—20 25 17.1	85.53	4	0.73	Lal., Tac., Lam., Cape.
2978	7.2	08 30.31	86.50	2	3.533	—19 01 33.6	86.50	2	0.75	O. A., Lam., Yar.
2979	8	08 32.61	85.57	3	3.558	—19 58 09.6	85.57	3	0 75	
2980	9	08 50.07	86.51	2	3.546	—19 30 45.5	86.51	2	0.77	
2981	8.5	18 08 51 47	85 79	4	+3.564	—20 12 56.1	85.79	4	+0.78	
2982	9	09 24.87	86.56	2	3.614	—22 04 08 4	86.24	3	0.82	O. A.
2983	7.5	09 44 20	85.53	5	3.574	—20 34 50.1	85.53	5	0 85	Lal., O. A., Lam., Yar., Cape.
2984	9.2	10 10.36	86.50	2	3.541	—19 20 38.5	86.52	3	0.89	
2985	7.2	10 12.21	86.50	2	3.532	—19 00 20.6	86.50	2	0.89	Lal., O. A., Yar.
2986	8	18 10 13.72	86.07	2	+3.618	—22 12 30.3	86.07	2	+0.89	Lal., O. A.
2987	7.5	10 39.12	86.01	4	3.546	—19 31 33 4	86.11	5	0.93	
2988	9	10 44.90	86.02	2	3.575	—20 37 57 8	86.02	2	0.94	O. A., Lam.
2989	7.5	10 51.55	86.03	4	3.551	—19 42 41.9	86.03	4	0.95	
2990	8.5	11 59.39	85.52	3	3.598	—21 30 12.6	85.52	3	1.05	Lam.
2991	9.2	18 12 12.91	86 50	2	+3.545	—19 29 56.1	86.84	3	+1.07	O. A.
2992	8.2	12 45.62	85.86	3	3.552	—19 46 35.0	85.86	3	1.11	Lal., O. A.
2.93	8.5	13 40.05	85.79	4	3.555	—19 53 28 0	85.79	4	1.19	Lal., O. A., Tac. Proper motion.
2994	7.7	13 42.70	85.54	4	3.565	—20 15 50 8	85.54	4	1.20	Lal., O. A., Lam., Tac.
2995	8	14 12.97	86.03	4	3.550	—19 42 23.0	86.03	4	1.24	Lal., O. A., Tac., Camb.
2996	8.5	18 14 17 85	85 53	3	+3.567	—20 20 15 3	85.53	3	+1.25	O. A.
2997	9.2	14 23.95	86 01	2	3.596	—21 25 20.8	86.01	2	1.26	
2998	6.7	14 37.05	86.50	3	3.529	—18 54 35.1	86.50	3	1 28	Lal., Bonn VI., Lam., Yar.
2999	8.5	14 38 64	86.24	4	3 540	—19 19 15.7	86 30	5	1.28	Lal., Bonn VI.
3000	8	15 01.70	85.88	3	3.613	—22 04 22.7	85.88	3	1.31	Lal., Bonn VI., Lam., Tac.

Number.....	Magnitudes.	Mean R. A. 1885.0	Epoch.....	No. of Obs..	Ann. Prec....	Mean Declination. 1885.0	Epoch.....	No. of Obs..	Ann. Prec...	Authorities.
		H. M. S.			s.	° ′ ″			″	
3001	7.5	18 15 14.35	86.07	2	+3.619	—22 17 30.8	86.07	2	+1.34	Lal., O. A., Tac.
3002	9.5	15 31.46	86.02	2	3.561	—20 07 14.9	86.02	2	1.36	O. A., Lam.
3003	8.5	15 36.41	85.85	3	3.596	—21 25 30.3	85.85	3	1.36	
3004	9	16 06.25	86.48	2	3.553	—19 49 06.5	86.48	2	1.41	O. A.
3005	7.7	16 28.70	85.53	3	3.577	—20 42 34.2	85.53	3	1.44	Lal., O. A., Lam.
3006	8	18 16 40.57	85.55	3	+3.603	—21 43 14.0	85.55	3	+1.46	O. A., Lam.
3007	8.5	17 01.08	86.07	2	3.614	—22 06 00.2	86.07	2	1.49	
3008	8	17 16.39	86.30	5	3.543	—19 27 06.6	86.30	5	1.51	
3009	8	17 21.24	86.11	5	3.548	—19 38 03.1	86.35	6	1.52	O. A., Lam. Note.
3010	8.2	17 28.45	85.85	3	3.554	—19 51 54.7	86.03	4	1.53	O. A.
3011	7.5	18 17 49.89	85.93	5	+3.552	—19 47 31.5	85.93	5	+1.56	O. A., Bonn VI., Lam.
3012	8.5	18 06.2	85.52	3	3.580	—20 50 32.9	85.52	4	1.58	
3013	9	18 26.29	86.07	2	3.605	—21 47 57.1	86.07	2	1.61	O. A.
3014	8.5	18 46.52	85.85	3	3.586	—21 05 57.8	85.85	3	1.64	Lal., O. A., Tac., Yar.
3015	8.5	20 26.11	86.50	3	3.531	—19 01 09.0	86.50	3	1.78	O. A.
3016	8.8	18 21 06.18	85.56	3	+3.601	—21 39 28.2	85.56	3	+1.85	O. A., Lam.
3017	9	21 17.04	85.53	3	3.580	—20 52 16.0	85.53	4	1.86	O. A.
3018	8.5	21 17.20	85.85	3	3.592	—21 18 29.1	85.85	3	1.86	O. A.
3019	9	21 23.80	86.50	3	3.544	—19 31 36.8	86.52	3	1.87	O. A.
3020	8.2	21 45.98	85.93	5	3.553	—19 50 43.7	85.93	5	1.90	O. A.
3021	8.8	18 21 58.13	85.52	3	+3.595	—21 26 18.2	85.52	3	+1.92	Lal., O. A., Lam.
3022	9	22 19.12	87.00	2	3.534	—19 07 51.2	87.00	2	1.95	O. A.
3023	8.5	22 33.65	85.89	3	3.602	—21 42 30.6	85.89	3	1.97	O. A., Bonn VI., Lam.
3024	9	22 54.65	86.48	2	3.548	—19 40 37.9	86.48	2	2.00	O. A.
3025	8	22 59.15	85.53	4	3.584	—21 01 28.6	85.53	5	2.01	Lal., O. A., Camb.
3026	9	18 23 06.67	86.48	2	+3.546	—19 34 52.2	87.00	4	+2.02	O. A.
3027	9	23 35.16	86.50	2	3.542	—19 26 30.6	86.52	3	2.06	O. A.
3028	8.2	23 40.57	85.56	3	3.605	—21 49 43.0	85.56	3	2.07	Lal., O. A., Tac., Lam.
3029	8	23 43.55	85.55	3	3.566	—20 21 45.1	85.54	4	2.07	Lal., O. A.
3030	8.2	24 06.74	85.56	4	3.599	—21 36 08.8	85.56	4	2.11	Lal., O. A., Tac., Lam., Camb., Yar.
3031	8.5	18 24 35.99	85.52	4	+3.591	—21 19 39.3	85.52	4	+2.15	Lam.
3032	8.2	24 37.74	86.50	2	3.536	—19 14 10.0	86.50	2	2.15	O. A. [Brux., Cape.
3033	7.5	25 06.77	86.46	3	3.535	—19 12 15.5	86.48	4	2.19	Lal., O. A., Bonn VI., Camb.,
3034	8.5	25 11.68	86.03	2	3.557	—20 01 55.8	86.53	3	2.20	Lam.
3035	8.5	25 41.26	86.02	4	3.544	—19 32 00.0	86.02	4	2.24	Lal., Bonn VI.
3036	7.8	18 25 43.26	86.50	3	+3.531	—19 03 11.0	86.50	3	+2.25	O. A., Lam., Yar., Brux., Cape.
3037	9	25 44.40	86.03	2	3.591	—21 19 27.9	86.01	2	2.25	[tion.
3038	7.5	25 49.55	85.91	3	3.615	—22 13 05.7	85.91	3	2.25	Lal., O. A., Tac., Yar. Proper mo-
3039	8	26 38.77	85.53	3	3.568	—20 27 05.9	85.53	3	2.33	
3040	8.5	26 48.79	85.80	4	3.554	—19 55 42.0	85.80	4	2.34	Lam.
3041	9	18 27 14.93	86.03	2	+3.565	—20 21 52.1	86.02	2	+2.38	O. A. [Proper motion.
3042	7.2	27 36.71	85.79	4	3.552	—19 52 15.5	85.79	4	2.41	Lal., Bonn VI., Lam., Green.
3043	9	28 11.19	86.48	2	3.545	—19 37 07.0	86.48	2	2.46	O. A.
3044	8	28 12.69	85.56	3	3.610	—22 04 04.8	85.56	3	2.46	O. A.
3045	7.7	28 25.30	85.91	3	3.613	—22 10 48.0	85.91	3	2.48	O. A., Yar.
3046	7.2	18 28 29.48	85.53	4	+3.580	—20 55 45.4	85.53	4	+2.48	Lal., O. A., Tac., Lam.
3047	7.2	28 36.65	86.17	3	3.538	—19 21 27.4	86.27	4	2.50	O. A., Bonn VI., Lam., Brux.
3048	8.5	29 02.77	85.86	3	3.546	—19 38 37.5	85.86	3	2.54	Lal., O. A., Tac.
3049	8.7	29 25.68	86.03	2	3.553	—19 55 51.1	86.20	3	2.57	
3050	7.5	29 49.43	85.53	4	3.566	—20 24 22.5	85.53	4	2.60	Lal., O. A., Bonn VI., Lam. Note.

Number.....	Magnitudes.	Mean R. A. 1885.0	Epoch	No. of Obs..	Ann. Prec...	Mean Declination. 1885.0	Epoch	No. of Obs..	Ann. Prec...	Authorities.
		H. M. S.			s.	° ′ ″			″	
3051	8.2	18 29 57.58	86.03	4	+3.562	—20 16 04.1	86.03	4	+2.61	O. A.
3052	8.5	30 12.05	86.54	3	3.535	—19 13 59.6	86.57	2	2.63	O. A., Bonn VI., Lam.
3053	8.5	30 17.13	86.03	2	3.551	—19 52 15.9	86.20	3	2.64	
3054	7.7	30 20.49	86.21	3	3.537	—19 18 11.8	86 27	4	2.65	O. A., Lam., Brux. Note.
3055	8.3	30 34.34	85.56	4	3.597	—21 35 26.4	85.56	4	2.67	Lal., Bonn VI., Arm. 2, Brux.
3056	8.5	18 30 37.17	85.56	3	+3.602	—21 47 42.0	85.56	3	+2.67	O. A., Yar.
3057	8	30 40.59	86.05	4	3.542	—19 31 11.1	86.02	4	2.68	Lal., O. A.
3058	8	31 04.26	85.89	3	3.547	—19 41 51.1	86.03	4	2.71	Lal., O. A.
3059	8.5	32 02.75	85.86	3	3.564	—20 23 19.7	85.86	3	2.80	
3060	9	32 07.25	86.54	3	3.533	—19 12 13.1	86.53	2	2.80	Lam.
3061	8.8	18 32 22.38	85.86	3	+3.565	—20 26 06.9	85.86	3	+2.83	O. A.
3062	7.8	32 35.60	85.56	3	3.609	—22 03 54.9	85.56	3	2.84	Lal., O. A., Tac., Lam., Brux.
3063	9	32 47.02	86.03	2	3.580	—21 00 20.6	86.03	2	2.86	
3064	7	33 04.20	85.55	3	3.558	—20 10 17.3	85.55	3	2.88	O. A., Lam.
3065	9	33 05.09	85.86	3	3.574	—20 46 36.0	85.86	3	2.88	O. A.
3066	8.8	18 33 11.22	85.77	4	+3.582	—21 03 59.1	85.77	4	+2.89	O. A., Lam.
3067	8.5	33 46.18	85.56	4	3.596	—21 35 54.0	85.56	4	2.94	O. A., Bonn VI., Lam.
3068	8.8	33 49.44	85.91	3	3.600	—21 45 43.4	85.91	3	2.95	O. A., Yar.
3069	9	34 01.92	85.86	3	3.569	—20 35 57.2	85.86	3	2.97	O. A.
3070	9	34 17.16	85.86	3	3.545	—19 39 10.3	85.86	3	2.99	
3071	9	18 34 26.54	86.27	4	+3.542	—19 34 05.6	86.27	4	+3.00	
3072	8.3	35 06.55	85.77	4	3 591	—21 25 42.7	85.77	4	3.06	O. A., Lam.
3073	9.2	35 07.32	86.05	2	3.555	—20 04 20.1	86.57	2	3.06	Lam.
3074	9	35 11.81	86.50	2	3.533	—19 12 42.7	86 57	2	3.07	O. A., Lam.
3075	8.7	35 27.09	85.54	4	3.570	—20 37 26.5	85.54	4	3.09	O. A., Lam. Note.
3076	7.5	18 35 35.74	85.53	4	+3.564	—20 25 13.7	85.53	4	+3.10	Lal., O. A., Camb., Yar., Brux.
3077	9	35 43.67	86.07	2	3 614	—22 16 46.9	86.23	3	3.11	O. A.
3078	7.5	36 08.66	86.21	3	3.537	—19 23 36.1	86.21	3	3.15	O. A., Lam., Yar., Brux.
3079	8.7	36 29.65	86.03	2	3.590	—21 25 48.7	86.03	2	3.18	
3080	7.7	36 41.13	85.53	4	3.580	—21 01 46.9	85.53	4	3.19	Lal., O. A., Lam., Yar.
3081	8.2	18 37 07.69	85.57	3	+3.553	—20 00 14.3	85.57	3	+3.23	Lam.
3082	7.5	37 22.27	86.21	3	3 538	—19 25 57.1	86.21	3	3.26	O. A., Lam., Yar., Brux.
3083	7.7	37 46.51	85.53	5	3.581	—21 05 09.7	85.53	5	3.29	Lal., O. A., Lam., Camb., Yar.
3084	7.2	38 26.68	85.53	4	3.581	—21 06 59.4	85.53	4	3.35	Lal., O. A., Lam., Yar., Arm. 2.
3085	7.8	38 26.96	85.53	4	3.572	—20 45 47.2	85.53	4	3.35	Lal., O. A., Yar.
3086	9	18 39 37.26	86.07	2	+3.606	—22 03 18.4	86.07	2	+3.45	O. A.
3087	8.8	40 08.59	86.20	3	3.567	—20 35 12.0	86.20	3	3.49	Brux.
3088	8.7	40 50.60	85 57	3	3.551	—19 59 19.6	85.57	3	3.56	O. A., Lam.
3089	7.5	41 27.28	85 91	3	3.533	- 19 19 25.9	85.91	3	3.61	Lal., Bonn VI., Lam., Yar.
3090	8.5	41 43.93	86.05	2	3.546	—19 48 39.0	86.05	2	3.63	
3091	8.3	18 42 01.59	85.54	5	+3.558	—20 16 44.5	85.54	5	+3 65	Lal., O. A., Bonn VI., Lam.
3092	7.7	42 49.58	86.23	3	3.532	—19 16 16.1	86.23	3	3.72	Lal., Bonn VI., Lam., Yar.
3093	8.7	42 50.22	86.53	2	3.526	—19 02 09.4	86 53	2	3.73	Lal., O. A., Lam.
3094	8.5	42 58.32	85.79	4	3.554	—20 08 19.9	85.79	4	3.74	O. A. [Cape.
3095	6.2	43 55.96	85.91	3	3.611	—22 17 35.2	85.59	2	3.82	Lal., O. A., Lam., Camb., Yar.,
3096	7.8	18 44 10.47	85.55	5	+3.561	—20 25 37.1	85.55	5	+3.84	Lal., Bonn VI., Lam., Yar., Brux.
3097	8	44 17.10	85.55	5	3.561	—20 25 56.0	85 55	5	3.85	Lal., Bonn VI., Tac., Lam., Yar.,
3098	8.5	44 20.48	85.60	3	3.543	—19 44 53.9	85.60	3	3.85	O. A. [Brux
3099	8.5	44 24.69	85.88	3	3.606	—22 09 01.7	85.88	3	3.86	O. A., Yar.
3100	8.5	44 42.96	85.60	3	3.544	—19 46 17.2	85.60	3	3 89	O. A.

Number.....	Magnitudes.	Mean R. A. 1885.0	Epoch.....	No. of Obs..	Ann. Prec...	Mean Declination. 1885.0	Epoch.....	No. of Obs..	Ann. Prec...	Authorities.
		H. M. S.			s.	° ′ ″			″	
3101	9	18 44 58.77	86.01	2	+3.575	−20 59 36.7	86.01	2	+3.91	
3102	8.7	45 11.78	85.55	5	3.563	−20 30 35.1	85.55	6	3.93	Lal., Bonn VI.
3103	8.8	45 27.42	85.88	3	3.558	−20 20 18.5	85.79	4	3.95	Lal., Bonn VI., Yar., Brux.
3104	8.5	45 41.65	85.89	3	3.552	−20 07 06.2	85.89	3	3.97	Lam.
3105	8.8	46 11.53	86.11	2	3.530	−19 15 23.7	86.59	3	4.01	Yar.
3106	9	18 46 26.22	86.03	2	+3.598	−21 51 43.8	86.03	2	+4.04	O. A., Lam.
3107	8.5	46 46.95	85.55	4	3.580	−21 11 27.2	85.55	4	4.07	
3108	7	47 00.89	85.57	3	3.547	−19 56 11.0	85.57	3	4.08	Lal., O. A., Lam.
3109	9.2	47 18.86	86.06	2	3.577	−21 04 26.2	86.08	2	4.11	
3110	8.5	47 29.88	85.79	4	3.550	−20 04 24.8	85.79	4	4.13	Lal., O. A., Lam.
3111	9	18 47 31.89	86.21	3	+3.586	−21 26 46.2	86.21	3	+4.13	
3112	8.7	48 08.96	85.58	3	3.560	−20 26 29.4	85.57	4	4.18	Lam., Brux.
3113	8	48 14.31	85.83	4	3.543	−19 46 49.1	85.83	4	4.19	Lal., O. A., Lam.
3114	8.2	48 22.87	85.56	5	3.558	−20 23 59.9	85.56	6	4.20	Lal., Bonn VI., Lam., Brux.
3115	8	48 54.32	85.79	4	3.552	−20 09 35.8	85.79	4	4.25	Lal., O. A., Lam.
3116	8.7	18 49 52.80	86.04	2	+3.542	−19 46 43.0	86.04	2	+4.33	O. A.
3117	8.7	50 45.35	86.03	2	3.581	−21 18 01.8	86.54	3	4.40	O. A., Yar.
3118	8	50 50.18	86.07	4	3.529	−19 18 13.2	86.07	4	4.41	Lam., Yar.
3119	8.5	50 54.27	85.55	2	3.596	−21 53 23.1	85.56	3	4.42	
3120	8	51 01.23	85.59	4	3.543	−19 51 32.2	85.59	4	4.43	O. A., Lam.
3121	7.7	18 51 21.26	85.58	6	+3.562	−20 34 31.9	85.57	7	+4.45	Lal., O. A., Lam., Brux., Cape.
3122	9	51 21.57	86.07	2	3.592	−21 44 00.5	86.24	3	4.45	O. A.
3123	8.5	52 21.61	85.52	3	3.582	−21 23 01.8	85.52	3	4.54	O. A., Lam.
3124	7.5	52 38.10	85.91	3	3.532	−19 26 03.3	85.91	3	4.56	O. A., Lam., Yar.
3125	8	52 42.67	85.56	3	3.598	21 58 59.3	85.56	3	4.57	Lal., O. A., Lam., Camb., Yar.
3126	7.3	18 53 49.11	85.59	4	+3.541	−19 48 58.0	85.59	4	+4.66	O. A., Bonn VI., Lam.
3127	8.7	54 17.91	86.04	2	3.546	−20 02 43.3	86.04	2	4.70	O. A.
3128	8.5	54 18.74	85.90	3	3.533	−19 30 29.1	86.15	5	4.71	O. A., Lam., Yar.
3129	9	54 23.63	86.07	2	3.605	−22 16 41.7	86.57	3	4.71	O. A.
3130	8.5	55 05.73	85.91	3	3.604	−22 15 17.8	85.91	3	4.77	O. A., Lam.
3131	8.8	18 55 53.22	85.58	6	+3.559	−20 34 27.1	85.58	6	+4.84	O. A., Lam., Yar.
3132	8.8	56 17.31	85.58	5	3.567	−20 53 24.8	85.58	5	4.87	O. A.
3133	7	56 21.73	86.23	3	3.526	−19 16 04.2	86.23	3	4.88	Lal., Bonn VI., Lam., Yar.
3134	8	56 44.93	85.56	4	3.552	−20 17 40.3	85.56	4	4.91	O. A., Lam.
3135	8.8	57 20.12	85.57	4	3.569	−20 58 07.1	85.57	4	4.96	O. A., Yar.
3136	7.5	18 57 27.46	85.56	5	+3.588	−21 41 54.7	85.56	5	[Proper motion. 4.98	Lal., Bonn VI., Yar., Brux., Cape.
3137	8.7	57 30.23	85.56	4	3.552	−20 18 39.2	85.56	4	4.98	O. A., Lam.
3138	7.7	58 13.47	85.57	6	3.572	−21 07 01.6	85.57	6	5.04	O. A., Lam.
3139	8.8	58 55.94	85.58	4	3.571	−21 05 21.2	85.58	4	5.10	O. A., Lam.
3140	8.7	59 11 71	85.91	3	3.534	−19 39 12.6	86.07	4	5.12	Lal., O. A.
3141	8.8	19 00 09.50	85.57	5	+3.584	−21 36 03.3	85.57	5	+5.20	O. A., Lam., Yar., Brux.
3142	8.5	00 12.57	85.55	3	3.546	−20 09 33.3	85.55	3	5.21	O. A.
3143	9	00 32.60	86.09	2	3.588	−21 47 25.0	87.09	2	5.24	O. A., Lam., Yar.
3144	8.5	00 55.09	85.57	4	3.579	−21 25 22.0	85.57	4	5.27	O. A., Lam.
3145	8.5	01 08.48	85.84	4	3.590	−21 52 24.5	85.84	4	5.29	O. A., Yar.
3146	8.3	19 01 19.27	85.91	3	+3.592	−21 58 01.2	85.91	3	+5.30	O. A., Yar.
3147	8.5	01 26.54	85.88	3	3.536	−19 47 22.7	85.88	3	5.31	O. A.
3148	9.5	01 32.17	86.09	2	3.553	−20 27 09.9	86.09	2	5.32	
3149	8.5	01 43 65	85.57	5	3.571	−21 10 11.3	85.57	5	5.34	Lal., O. A., Lam., Brux., Cape.
3150	7.8	01 59.65	86.23	3	3.519	−19 07 57.1	86.23	3	5.36	Lal., O. A., Brux., Cape.

Number.....	Magnitudes.	Mean R. A. 1885.0	Epoch.....	No. of Obs.	Ann. Prec...	Mean Declination. 1885.0	Epoch.....	No. of Obs.	Ann. Prec...	Authorities.
		H. M. S.			s.	° ′ ″			″	
3151	8.3	19 02 05.82	85.88	3	+3.541	—19 59 40.7	85.88	3	+5.37	O. A.
3152	8	02 14.12	85.55	3	3.546	—20 10 53.9	85.55	3	5.38	Lam.
3153	8.7	02 44.94	86.09	2	3.530	—19 35 32.6	86.24	3	5.42	O. A. [motion.
3154	8.2	02 49.90	85.58	3	3.583	—21 38 23.8	85.58	3	5.43	O. A., Lam., Yar., Brux. Proper
3155	8	02 51.42	85.56	4	3.546	—20 13 26.9	85.56	4	5.43	Lam.
3156	9	19 03 02.70	85.90	3	+3.557	—20 38 01.2	85.90	3	+5.45	
3157	9	03 42.09	86.09	2	3.588	—21 51 28.5	86.09	2	5.50	O. A., Lam., Yar., Brux.
3158	8.3	03 42.15	85.63	4	3.562	—20 51 20.3	85.63	4	5.50	O. A.
3159	8.5	04 09.93	86.08	2	3.544	—20 09 34.3	86.58	3	5.54	O. A., Lam.
3160	8	04 31.02	85.58	6	3.553	—20 32 02.1	85.58	6	5.57	Lal., Bonn VI., Lam.
3161	8.5	19 04 50.12	86.08	2	+3.542	—20 06 26.8	86.08	2	+5.60	O. A., Lam.
3162	8.5	05 00.66	86.09	4	3.524	—19 22 41.6	86.09	4	5.61	Lam. Note.
3163	8.5	05 04.05	85.57	4	3.554	—20 34 10.4	85.57	4	5.62	Lal., Bonn VI., Lam.
3164	8.8	05 09.32	85.92	3	3.572	—21 16 28.7	85.92	3	5.63	O. A., Lam.
3165	9.2	05 09.76	86.05	2	3.550	—20 26 05.2	86.56	3	5.63	
3166	8	19 05 13.03	85.60	3	+3.594	—22 06 59.9	85.60	3	+5.63	O. A., Lam. [tion.
3167	8.5	03 00.35	86.09	4	3.524	—19 25 22.4	86.09	4	5.69	Lal., Bonn VI., Lam. Proper mo-
3168	8.5	06 14.86	85.81	4	3.548	—20 22 52.1	85.81	4	5.72	Lam.
3169	8.8	06 18.86	85.63	3	3.530	—19 40 45.2	85.63	3	5.72	Lal., O. A., Tac.
3170	8	06 20.55	85.57	5	3.554	—20 36 47.8	85.57	5	5.72	Lam.
3171	9	19 06 58.80	86.07	2	+3.593	—22 08 14.1	86.07	2	+5.78	Lal., O. A., Lam. Note.
3172	9	07 09.65	85.94	3	3.574	—21 23 52.4	85.94	3	5.79	
3173	7	07 15.88	86.07	2	3.596	—22 15 16.6	86.07	2	5.80	Lal., O. A., Tac., Lam., Camb.
3174	9	07 46.72	86.10	2	3.574	—21 25 49.7	86.10	2	5.85	O. A.
3175	9	08 00.78	86.10	2	3.517	—19 10 17.8	86.10	2	5.86	O. A.
3176	9	19 08 00.98	86.25	3	+3.574	—21 24 51.7	86.25	3	+5.86	O. A., Lam.
3177	7.5	08 39.79	85.60	3	3.537	—19 59 03.4	85.60	3	5.92	Lal., O. A., Lam., Camb., Yar.
3178	8.5	09 04.45	85.92	3	3.589	—22 02 09.7	85.92	3	5.95	Lal., O. A., Lam., Yar.
3179	8.7	09 14.12	85.92	3	3.566	—21 09 14.6	85.92	3	5.97	O. A.
3180	8.8	09 21.00	85.90	3	3.553	—20 39 19.1	85.90	3	5.98	O. A.
3181	8.7	19 09 29.94	85.92	3	+3.566	—21 08 58.0	86.26	3	+5.99	O. A.
3182	9.2	09 45.02	86.12	2	3.565	—21 08 02.7	86.61	3	6.01	O. A.
3183	8.5	09 56.73	85.96	3	3.524	—19 30 33.1	85.96	3	6.02	O. A., Bonn VI., Green.
3184	8	10 06.67	85.58	3	3.580	—21 41 54.0	85.58	3	6.04	Lal., Bonn VI., Lam.
3185	8.2	10 09.32	86.07	2	3.591	—22 08 58.9	86.07	2	6.04	Lal., O. A.
3186	8.3	19 10 17.84	85.92	3	+3.586	—21 57 20.4	85.92	3	+6.05	Lal., O. A., Lam. Proper motion.
3187	8.5	10 23.98	85.59	3	3.555	—20 44 58.7	85.59	3	6.06	O. A.
3188	7.8	10 24.97	85.61	3	3.569	—21 16 26.7	85.61	3	6.06	O. A., Lam., Yar.
3189	9	10 27.30	86.09	2	3.559	—20 54 19.3	86.09	2	6.07	O. A.
3190	9	10 46.76	86.29	3	3.517	—19 15 51.5	86.29	3	6.10	Yar.
3191	8.2	19 11 05.71	85.59	4	+3.579	—21 42 37.2	85.59	4	+6.12	Lal., O. A., Lam.
3192	9	11 19.39	86.13	2	3.519	—19 20 42.9	86.13	2	6.14	[Cape.
3193	8.3	11 27.33	86.38	5	3.512	—19 04 06.0	86.33	4	6.15	Lal., Bonn VI., Camb., Brux.,
3194	8	11 33.11	85.59	3	3.552	—20 38 52.5	85.59	4	6.16	Lam.
3195	8.5	11 35.54	85.94	3	3.524	—19 34 01.2	85.94	3	6.16	O. A., Brux.
3196	8.8	19 12 02.86	85.93	3	+3.533	—19 55 50.7	85 93	3	+6.20	Lam.
3197	8.5	12 26.91	85.61	3	3.563	—21 06 00.0	85.61	3	6.24	O. A.
3198	8.5	12 42.90	85.92	3	3.570	—21 23 32.1	85.92	3	6.26	O. A.
3199	8	13 14.42	85.86	4	3.524	—19 34 35.2	85.86	4	6.30	Lal., Bonn VI., Lam., Brux.
3200	9	13 42.81	86.58	3	3.511	—19 04 26.9	86.58	3	6.34	O. A.

Number.....	Magnitudes.	Mean R. A. 1885.0	Epoch.....	No. of Obs.	Ann. Prec...	Mean Declination. 1885.0	Epoch.....	No. of Obs.	Ann. Prec...	Authorities.
		H. M. S.			s.	° ′ ″			″	
3201	8	19 14 02.40	85.58	3	+3.578	—21 44 51.4	85.58	3	+6.37	O. A., Lam.
3202	8.3	14 03.47	85.92	3	3.585	—22 00 51.2	85.92	3	6.37	O. A., Lam., Rüm.
3203	9.5	14 52.03	86.07	2	3.531	—19 54 31.6	86.07	2	6.43	[Cape.
3204	7.5	14 52.67	85.95	3	3.519	—19 26 53.8	85.95	3	6.43	Lal., O. A., Yar., Green., Arm. 2,
3205	8.7	15 01.98	85.58	3	3.580	—21 51 31.4	85.58	3	6.45	O. A., Lam.
3206	8.8	19 15 20.09	86.27	3	+3.516	—19 20 14.5	86.27	3	+6.47	Lal., Bonn VI., Camb.
3207	8.7	15 45.09	85.90	3	3.546	—20 32 03.5	85.83	4	6.51	
3208	7.5	15 52.08	85.83	4	3.554	—20 51 25.7	85.79	5	6.52	O. A., Lam., Green., Yar.
3209	8.5	15 52.21	86.26	3	3.514	—19 14 24.4	86.26	3	6.52	Lal., Bonn VI., Yar.
3210	9	15 57.12	86.09	2	3.546	—20 32 26.3	85.93	3	6.52	
3211	8.5	19 16 20.39	86.10	2	+3.512	—19 12 01.1	86.26	3	+6.56	Lal., O. A., Tac., Camb., Yar.
3212	9	17 00.84	85.60	3	3.529	—19 53 34.5	85.60	3	6.61	
3213	8.5	17 07.93	85.92	3	3.581	—21 58 23.5	85.92	3	6.62	O. A., Lam.
3214	8.5	17 39.47	85.60	3	3.530	—19 56 09.6	85.60	3	6.67	O. A., Bonn VI., Lam.
3215	8.2	17 46.27	86.26	3	3.510	—19 08 54.9	86.26	3	6.67	Lal., O. A.
3216	8.7	19 17 47.97	85.88	3	+3.541	—20 22 43.0	85.88	3	+6.68	O. A., Lam.
3217	8.5	18 00.36	85.63	3	3.551	—20 48 53.9	85.63	4	6.69	O. A., Lam.
3218	9.5	18 05.18	86.59	2	3.554	—20 55 00.9	86.59	2	6.70	O. A.
3219	9	18 15.61	86.26	3	3.554	—20 56 16.6	86.10	4	6.72	O. A.
3220	8.8	18 58.51	85.95	3	3.515	—19 23 52.4	85.95	3	6.78	O. A., Yar.
3221	8.7	19 19 06.32	86.07	4	3.550	—20 46 26.4	86.07	4	+6.78	Lal., O. A., Camb.
3222	8.2	19 16.51	85.58	3	3.575	—21 46 14.3	85.58	3	6.80	Lal., Bonn VI., Camb.
3223	7.5	19 38.06	85.61	3	3.567	—21 28 20.0	85.61	3	6.83	Lal., Bonn VI., Lam., Cape.
3224	8.5	19 45.63	85.98	5	3.550	—20 48 55.1	85.98	5	6.84	Lal., O. A., Lam.
3225	8.5	20 16.32	85.58	3	3.576	—21 51 13.9	85.58	3	6.88	O. A.
3226	8.3	19 20 47.93	85.58	4	+3.544	—20 35 36.1	85.58	5	+6.92	Lal., O. A., Lam.
3227	8.5	21 18.43	85.91	3	3.547	—20 44 49.3	85.83	4	6.97	Lal., O. A., Lam., Camb.
3228	8.2	21 19.30	85.86	4	3.518	—19 34 26.8	85.86	4	6.97	
3229	9	22 00.75	86.13	2	3.527	—19 57 28.4	87.09	2	7.02	O. A.
3230	8.5	22 56.39	85.94	3	3.521	—19 43 33.5	85.94	3	7.10	O. A., Yar.
3231	8.2	19 23 18.31	85.61	4	+3.522	—19 47 24.6	85.61	4	+7.13	Lal., O. A., Lam., Camb., Yar.
3232	8.5	23 25.29	85.63	3	3.518	—19 37 21.5	85.63	3	7.14	Lal., O. A., Bonn VI., Yar.
3233	8.7	23 31.52	86.10	2	3.554	—21 04 17.7	86.26	3	7.15	O. A., Lam.
3234	8	24 10.80	85.60	4	3.568	—21 40 13.7	85.60	4	7.20	O. A., Bonn VI., Brux. Note.
3235	8.5	24 29.18	85.92	3	3.573	—21 52 30.6	85.92	3	7.22	O. A., Tac., Brux.
3236	8	19 24 35.98	85.62	4	+3.558	—21 16 43.9	85.62	4	+7.24	Lal., Bonn VI., Lam.
3237	8.5	24 38.51	85.92	3	3.573	—21 52 42.8	85.92	3	7.24	Lal., O. A., Tac., Brux.
3238	9	24 43.55	85.93	3	3.542	—20 39 37.3	85.94	3	7.25	Yar.
3239	7.7	24 58.36	86.00	5	3.517	—19 37 36.7	86.00	5	7.27	Lal., O. A., Yar.
3240	8.2	25 20.05	85.75	6	3.541	—20 38 32.6	85.75	6	7.29	Lal., O. A., Lam., Yar.
3241	7.8	19 25 25.59	85.61	3	+3.569	—21 45 31.4	85.61	3	7.30	Lal., O. A., Lam., Rüm., Brux.
3242	9	25 41.85	85.93	3	3.524	—19 56 33.9	85.93	3	7.32	O. A.
3243	8.5	26 28.77	86.13	2	3.513	—19 31 01.8	86.13	2	7.39	Lal., O. A., Yar.
3244	8	27 25.17	85.61	4	3.520	—19 49 03.1	85.61	4	7.46	O. A., Lam., Yar.
3245	9.2	27 35.26	86.26	3	3.530	—20 15 39.1	86.26	3	7.48	
3246	8.5	19 28 14.40	86.26	3	+3.499	—19 00 54.0	86.26	3	+7.53	Lal., O. A., Camb.
3247	9	28 34.52	86.28	3	3.519	—19 49 45.1	86.28	3	7.56	O. A., Yar.
3248	7.5	28 47.44	85.64	5	3.548	—21 01 38.4	85.64	5	7.58	O. A., Lam., Yar., Brux., Cape.
3249	9	29 03.65	86.12	2	3.552	—21 10 16.6	86.12	2	7.60	O. A., Lam.
3250	8.7	29 09.33	86.28	3	3.514	—19 38 50.7	86.13	2	7.60	

Number.....	Magnitudes.	Mean R. A. 1885.0	Epoch.....	No. of Obs.	Ann. Prec...	Mean Declination. 1885.0	Epoch.....	No. of Obs.	Ann. Prec...	Authorities.
		H. M. S.			s.	° ′ ″			″	
3251	9	19 29 22.30	86.28	3	+3.519	—19 50 49.5	86.61	4	+7.63	O. A., Yar. Proper motion.
3252	8.5	29 28.05	85.56	4	3.530	—20 19 02.2	85.56	4	7.63	O. A. [Cape.
3253	7	29 43.69	86.26	3	3.500	—19 06 19.8	86.26	3	7.65	Lal., O. A., Lam., Yar., Brux.,
3254	8.8	29 57.70	86.13	2	3.510	—19 30 24.5	86.29	3	7.67	O. A.
3255	8	30 04.48	86.07	2	3.575	—22 09 25.9	86.07	2	7.68	Lal., O. A. [Wash. '82.
3256	8.5	19 30 07.10	86.27	3	+3.498	—19 02 12.2	86.61	4	+7.68	Lal., O. A., Lam., Yar.,
3257	8.7	30 14.40	85.61	3	3.568	—21 52 59.0	85.61	3	7.70	
3258	8.5	30 25.00	85.56	3	3.537	—20 37 12.9	85.56	3	7.71	O. A., Lam., Yar.
3259	7.8	30 35.71	86.07	2	3.576	—22 12 32.6	86.07	2	7.72	Lal., O. A.
3260	9	30 57.70	85.96	3	3.547	—21 04 13.8	85.96	3	7.75	O. A., Lam.
3261	8.8	19 31 19.49	86.27	3	+3.508	—19 27 58.7	86.27	3	+7.78	O. A., Lam.
3262	9.2	32 19 19	86.25	3	3.507	—19 28 09.6	86.25	3	7.86	O. A., Lam.
3263	9	32 44.63	86.08	2	3.516	—19 51 53.0	86.25	3	7.89	Lam.
3264	8	33 04.00	85.96	3	3.507	—19 29 27.7	85.96	3	7.92	O. A., Lam.
3265	8.2	33 05.67	85.64	4	3.550	—21 15 55.9	85.64	4	7.92	O. A.
3266	8.3	19 33 16.60	85.76	5	+3.526	—20 16 34.4	85.76	5	+7.94	O. A., Lam.
3267	7.8	33 23.47	85.80	5	3.539	—20 48 35.7	85.80	5	7.95	O. A., Yar.
3268	8.2	33 28.03	85.63	4	3.557	—21 33 55 0	85.63	4	7.95	Lal., Bonn VI.
3269	8.3	33 45.19	85.63	5	3.556	—21 30 57.5	85.63	5	7.97	
3270	8	34 02.34	85.64	5	3.545	—21 06 07.3	85.65	4	8.00	O. A., Bonn VI., Lam.
3271	8.8	19 34 07.18	85.94	3	+3.514	—19 48 08.4	85.94	3	+8.01	O. A., Lam.
3272	8.7	34 43.62	85.55	3	3.526	—20 21 01.4	85.55	3	8.06	
3273	9	34 45.88	86.13	2	3.517	—19 57 55.9	86.13	2	8.06	O. A.
3274	8.5	34 55.97	85.92	3	3.562	—21 49 15.3	85.92	3	8.07	O. A., Lam.
3275	8.5	35 02.59	85.63	4	3.545	—21 06 12.3	85.63	4	8.08	Lal., O. A., Bonn VI., Lam.
3276	8.5	19 36 09.58	85.61	3	+3.560	—21 45 05.6	85.61	3	+8.17	O. A., Bonn VI.
3277	8.7	36 30.35	85.96	3	3.502	—19 22 53.3	85.96	3	8.20	O. A.
3278	8.7	36 38.63	85.56	3	3.527	—20 26 05.2	85.56	3	8.21	O. A., Lam.
3279	9	36 57.76	86.12	2	3.551	—21 26 04.6	86.13	2	8.23	
3280	8.5	37 40.48	85.87	4	3.541	—21 03 42.6	85.87	4	8.29	O. A., Lam. Note.
3281	9.2	19 39 17.22	86.12	2	+3.543	—21 13 14.3	86.12	2	+8.42	Lam.
3282	7.7	39 41.61	85.61	3	3.557	—21 48 04.1	85.61	3	8.45	O. A., Lal., Yar.
3283	8.5	39 50.59	85.87	4	3.542	—21 11 01.9	85.87	4	8.46	Lam.
3284	8.3	40 23.28	85.60	5	3.517	—20 09 33.6	85.60	5	8.51	Lal., O. A., Lam.
3285	8	40 37.86	86.27	3	3.490	—19 01 24.2	86.27	3	8.52	Lam.
3286	8.5	19 41 04.48	85.96	3	+3.500	—19 29 34.2	85.96	3	+8.56	Lam.
3287	7.2	41 13.26	85.64	3	3.542	—21 14 23.9	85.64	3	8.57	Lal., O. A., Brux., Cape.
3288	8.7	41 32.01	86.12	2	3.535	—20 58 12.8	86.12	2	8.60	O. A., Lam.
3289	9.2	42 29.30	86.12	2	3.535	—21 00 36.1	86.12	2	8.67	
3290	9.2	42 30.03	86.13	2	3.495	—19 19 14.1	86.13	2	8.67	O. A., Bonn VI.
3291	9	19 42 59.03	85.95	3	+3.535	—21 01 54.8	85.95	3	+8.71	Lam.
3292	9	43 06.14	86.13	2	3.502	—19 38 48.7	86 62	3	8.72	Lam.
3293	8.8	43 32.49	85.92	3	3.557	—21 55 50.0	85.92	3	8.75	O. A., Lam.
3294	9	43 51.16	86.13	2	3.500	—19 34 26.8	86.63	3	8.78	
3295	9.5	44 24.82	85.68	3	3.507	—19 54 57.3	85.68	3	8.82	
3296	8.8	19 44 34.50	85.64	3	+3.544	—21 26 17.0	85.64	3	+8.84	O. A., Bonn VI., Lam. Note.
3297	8	44 54.22	85.86	4	3.497	—19 30 08.5	85 86	4	8.86	O. A., Bonn VI., Lam.
3298	8.5	45 08.94	85.64	4	3.508	—19 59 14.1	85.64	4	8.88	O. A., Bonn VI.
3299	8.7	45 27.84	85.88	4	3.521	—20 32 27.9	85.88	4	8.91	Lam.
3300	9.2	45 48.84	86.15	2	3.497	—19 33 01.0	86.15	2	8.93	

Number.....	Magnitudes.	Mean R. A. 1885.0	Epoch.....	No. of Obs.	Ann. Prec...	Mean Declination. 1885.0	Epoch.....	No. of Obs.	Ann. Prec...	Authorities.
		H. M. S.			s.	° ′ ″			″	
3301	9	19 45 50.79	85.93	3	+3.547	—21 38 09.0	86.09	4	+ 8.94	O. A.
3302	8.7	45 55.96	86.13	2	3.500	—19 40 01.9	86.13	2	8.94	Lam., Green.
3303	8.7	45 56.06	86.12	2	3.514	—20 14 45.2	86.13	4	8.94	O. A., Bonn VI.
3304	8.5	46 06.37	85.64	4	3.540	—21 21 37.1	85.64	4	8.96	Lal., O. A., Lam.
3305	9	46 29.42	86.29	3	3.497	—19 33 33.7	86.13	4	8.98	Lam., Green.
3306	8	19 47 49.91	86.27	3	+3.488	—19 13 57.6	86.27	3	+ 9.09	Lam.
3307	9	48 26.81	86.09	2	3.521	—20 38 29.7	86.09	2	9.14	Lam.
3308	7.2	48 42.11	85.86	4	3.496	—19 35 35.5	85.86	4	9.16	Lal., O. A., Tac., Yar.
3309	9	48 44.59	85.85	4	3.548	—21 48 24.1	85.85	4	9.16	O. A., Lam.
3310	8.5	49 16.43	86.27	3	3.485	—19 10 31.1	86.27	3	9.20	O. A., Lam.
3311	9.5	19 49 17.04	86.09	2	+3.523	—20 47 42.6	86.09	2	+ 9.20	O. A.
3312	9.2	50 15.60	86.13	2	3.525	—20 53 09.2	86.29	3	9.28	O. A.
3313	9	50 20.45	85.69	2	3.501	—19 51 53.5	85.69	2	9.28	
3314	8.5	50 44.93	85.84	5	3.499	—19 49 57.5	85.81	6	9.32	Lam.
3315	8.7	51 56.96	85.60	3	3.508	—20 14 19.6	85.62	4	9.41	O. A.
3316	9	19 52 17.61	85.89	4	+3.511	—20 23 39.9	85.84	5	+ 9.44	O. A., Lam.
3317	8.2	52 35.45	85.64	3	3.499	—19 54 38.6	85.65	4	9.46	
3318	8.5	53 03.10	85.96	3	3.513	—20 31 14.1	85.85	5	9.50	O. A., Lam.
3319	9	53 16.07	86.09	2	3.550	—22 04 51.4	86.09	2	9.51	O. A.
3320	9	53 38.10	85.84	5	3.528	—21 10 10.5	85.89	4	9.54	Lal., Bonn VI., Camb., Cape.
3321	7.7	19 53 48 66	85.59	3	+3.504	—20 10 12.8	85.61	4	+ 9.55	Lal., O. A.,Tac., Lam., Camb.
3322	8.5	54 22.44	85.64	4	3.541	—21 46 43.5	85.64	4	9.60	Lal., O. A., Lam., Camb.
3323	9.5	54 26.24	86 07	2	3.544	—21 52 10.0	86.07	2	9.60	O. A., Lam.
3324	8	55 20.80	85.96	3	3.485	—19 24 56.3	85.96	3	9.67	Lal., O. A., Yar.
3325	8.8	55 28 39	85.89	4	3.531	—21 24 22.3	85.89	4	9.68	O. A., Lam.
3326	9.2	19 56 01.99	86.29	3	+3.485	—19 26 27.8	86.29	3	+ 9.72	
3327	8.5	56 12.85	85.65	4	3.522	—21 03 48.0	85.65	4	9.74	O. A., Lam.
3328	9.5	58 02.61	86.09	2	3.516	—20 51 27.0	86.10	2	9.88	Lam.
3329	8.2	58 23.22	86.27	3	3.475	—19 05 42.1	86.27	3	9.91	Lal., O. A., Lam., Yar.
3330	9	58 34.02	86.60	2	3.473	—19 01 54.9	86.93	3	9.92	O. A., Lam.
3331	9.2	19 59 07.34	86.09	2	+3.515	—20 51 46.8	86.25	3	+ 9.96	O. A., Lam.
3332	8.5	59 22 97	85.66	3	3.525	—21 19 38.3	85.66	3	9.98	O. A., Lam.
3333	8 5	59 24.06	86.58	3	3.472	—19 01 48.6	86.84	4	9.98	Lal., Bonn VI., Lam., Yar.
3334	7.7	59 33.32	85.65	5	3.490	—19 49 00.6	85.65	5	9.99	O. A., Bonn VI.
3335	8.5	59 46.21	85.62	4	3.505	—20 28 09.4	85.62	4	10.01	Lam.
3336	8	19 59 47.88	85.92	3	+3.540	—22 00 05.8	85.92	3	+10.01	Lal., O. A., Tac., Lam. [Proper motion.
3337	8.2	20 00 40.29	85.65	4	3.491	—19 54 07.3	85.65	4	10.08	Lal., O. A., Camb.
3338	9.5	00 41.54	86.09	2	3.534	—21 46 07.0	86.09	2	10.08	Brux.
3339	8.5	00 55.05	85.66	4	3.520	—21 09 45.8	85.66	4	10.10	O. A., Lam.
3340	8.5	01 04.63	85.62	5	3.495	—20 06 23.5	85.62	5	10.11	Lam.
3341	7.5	20 01 34.29	86.26	3	+3.472	—19 08 05.0	86.26	3	+10.15	Lal., O. A., Lam., Yar., Brux., [Cape. Note.
3342	9	02 05.61	85.97	3	3.488	—19 51 14.5	85.97	3	10.18	Lam.
3343	8.5	02 37.97	85.65	5	3.485	—19 44 49.2	85.65	5	10.23	Lam., Yar.
3344	7.7	02 50.16	85.87	4	3.512	—20 55 33 6	85.87	4	10.24	Lal., Lam., Camb., Brux., Cape.
3345	9.2	03 01.28	86.13	2	3.481	—19 35 42.8	86.13	2	10.25	
3346	8.5	20 03 09.60	86.13	2	+3.533	—21 51 28.9	86.28	3	+10.26	O. A., Lam., Yar.
3347	9	03 40.44	85.95	3	3.508	—20 49 07.2	86.11	4	10 30	Lam.
3348	7.3	03 45.50	85.65	5	3.483	—19 42 59.1	85.65	5	10.31	[Cape. Lal., O. A., Lam., Yar., Brux.,
3349	9.2	03 50.17	86.09	2	3.528	—21 39 03.6	86.09	2	10.32	
3350	9.5	03 54.07	86.30	3	3.518	—21 14 59.4	86.30	3	10.32	

Number.....	Magnitudes.	Mean R. A. 1885.0	Epoch.....	No. of Obs.	Ann. Prec...	Mean Declination. 1885.0	Epoch.....	No. of Obs.	Ann. Prec...	Authorities.
		H. M. S.			s.	° ′ ″			″	
3351	8.5	20 04 06.86	85.95	3	+3.527	—21 38 28.9	86.12	4	+10.34	
3352	8	04 29.03	85.78	6	3.503	—20 36 14.2	85.78	6	10.36	Lam.
3353	8.5	04 53.62	85.78	6	3.501	—20 33 21.5	85.78	6	10.39	Lam.
3354	8.5	05 06.91	85.62	5	3.501	—20 34 15.1	85.62	5	10.41	Lam.
3355	9	06 06.89	86.59	2	3.490	—20 06 24.4	86.13	2	10.48	O. A.
3356	9	20 06 09.06	86.26	3	+3.466	—19 03 28.2	86.26	3	+10.49	
3357	9	06 12.19	86.13	2	3.474	—19 26 02.8	86.13	2	10 49	
3358	8.8	06 29.73	85.64	3	3.527	—21 47 06.3	85.64	3	10.51	O. A., Bonn VI., Lam.
3359	8.8	06 42.46	85.93	6	3.492	—20 13 55.2	85.93	6	10.53	O. A., Lam.
3360	8.7	07 28.79	85.85	4	3.499	—20 35 10.3	85.81	5	10.59	O. A., Lam.
3361	9.2	20 07 46.53	86.07	2	+3.529	—21 54 22.8	86.07	2	+10.61	
3362	7.8	08 03.92	85.83	5	3.475	—19 33 15.0	85.83	5	10 63	Lal., Bonn VI., Lam., Camb.
3363	9	08 41.25	85.95	3	3.503	—20 50 37.5	86.11	4	10.68	Lam.
3364	8.5	08 46.67	85.87	4	3.525	—21 48 41.5	85.87	4	10.69	Lam.
3365	8.8	09 04.17	85.89	4	3.467	—19 15 32.5	85.89	4	10.71	Lam.
3366	7.7	20 09 34.86	85.77	6	+3.492	—20 22 23.0	85.77	6	+10.74	O. A., Lam.
3367	8.7	09 49.93	86.28	3	3.493	—20 26 24.3	86.28	3	10.76	O. A., Lam.
3368	8.8	10 04.45	85.98	3	3.512	—21 17 06.6	85.98	3	10.78	O. A.
3369	7.5	10 22.56	85.65	4	3.520	—21 40 14.7	85.65	4	10.80	O. A.
3370	7.8	10 35.36	85.61	5	3.489	—20 18 47.5	85.61	5	10.82	O. A., Lam.
3371	8.2	20 10 41.40	85.99	3	+3.474	—19 37 59.6	85.99	3	+10.82	
3372	8.5	11 49.90	85.99	3	3.473	—19 38 40.8	85.99	3	10.91	
3373	8.7	11 55.72	86.13	2	3.482	—20 03 06.2	86.13	2	10.92	O. A., Lam.
3374	8.8	12 36.39	85.98	3	3.514	—21 31 46.6	85.98	3	10 96	
3375	9	12 39.04	86.13	2	3.478	—19 55 53.0	86.13	2	10.97	Lam.
3376	7	20 12 43.04	85.65	4	+3.509	—21 18 34.3	85.65	4	+10.98	
3377	8.7	13 48.10	85.81	5	3.486	—20 19 32.3	85.81	5	11.05	
3378	7.2	13 48.92	85.62	4	3.478	—20 00 22.1	85.62	4	11.05	[Cape. Lal., O. A., Lam., Yar., Brux.,
3379	8.7	14 03.77	85.66	3	3.504	—21 09 49.4	85.66	3	11.07	O. A.
3380	9	14 12.70	86.18	2	3.466	—19 27 44.1	86.18	2	11.08	Yar.
3381	9	20 14 28.80	86.62	2	+3.458	—19 05 47.0	86.62	3	+11.10	
3382	8.2	14 50.53	85.67	3	3.517	—21 46 43.4	85.67	3	11.13	O. A., Lam.
3383	9	14 55.00	86.00	3	3.465	—19 26 18.3	86.00	3	11.14	Yar.
3384	9	15 41.86	86.09	2	3.489	—20 35 37.3	86.09	2	11.19	O. A.
3385	8.2	15 45.19	86.15	2	3.455	—19 03 09.7	86.15	2	11.19	O. A., Lam.
3386	8.5	20 15 47.76	85.60	3	+3.479	—20 08 40.3	85 60	3	+11.20	Lam.
3387	9	16 21.82	86.29	3	3.502	—21 12 44.9	86.29	3	11.24	Yar.
3388	8.7	16 48 52	86.12	4	3.512	—21 42 19.6	86.12	4	11.27	O. A., Lam. Proper motion.
3389	8.5	16 49.42	85.63	3	3.494	—20 53 48.7	85.63	3	11.27	O. A., Lam.
3390	9.2	17 05.75	86.13	2	3.470	—19 47 44.4	86.28	3	11.29	
3391	8.5	20 17 08.27	85.61	5	+3.480	—20 16 39.6	85.61	5	+11.30	
3392	9.2	17 18.94	86.64	2	3.455	—19 05 56.9	86.64	2	11.31	
3393	8.5	17 23.23	85.89	4	3.508	—21 32 29.0	85.89	4	11.32	O. A., Bonn VI.
3394	8.2	17 38.79	85.65	4	3.502	—21 17 00.4	85.65	4	11.33	
3395	9.2	17 47.35	86.13	2	3.469	—19 48 19.8	86.28	3	11.35	Lam.
3396	9.2	20 17 55.59	86.31	3	+3.455	—19 08 27.9	86.15	2	+11.35	Yar.
3397	9.2	18 07.69	86.32	3	3.475	—20 04 48.1	86.32	3	11.36	
3398	8.2	18 17.96	85.63	4	3.481	—20 22 55.2	85.63	4	11.38	O. A., Lam.
3399	7	18 26.05	85.66	4	3.469	—19 48 18.9	85.66	4	11.39	[Cape. Lal., Bonn VI., Lam., Brux.,
3400	9	18 45.77	86.12	2	3.506	—21 31 48.0	86.12	2	11.41	O. A.

Number	Magnitudes.	Mean R. A. 1885.0	Epoch.....	No. of Obs..	Ann. Prec...	Mean Declination. 1885.0	Epoch.....	No. of Obs..	Ann. Prec...	Authorities.
		H. M. S.			s.	° ′ ″			″	
3401	8.5	20 18 49.74	86.09	2	+3.517	−22 01 58.5	86.09	2	+11.42	Lal., O. A., Tac., Brux.
3402	7.7	19 44.60	85.89	4	3.461	−19 31 36.0	85.89	4	11.48	Lal., Bonn VI.
3403	8.5	20 09.77	85.98	3	3.497	−21 10 58.5	85.98	3	11.51	Lal., O. A., Yar.
3404	9	20 13.34	86.31	3	3.454	−19 13 16.5	86.31	3	11.52	
3405	8.2	20 24.76	85.94	3	3.469	−19 55 16.4	85.94	3	11.53	O. A., Lam., Yar.
3406	9.5	20 20 26.59	86.38	4	+3.475	−20 13 36.9	86 38	4	+11.53	O. A., Lam.
3407	9	21 24.39	85.96	3	3.484	−20 40 57.7	86.12	4	11.60	Lam.
3408	9	21 41.41	85.96	3	3.485	−20 44 23.6	85.96	3	11.62	O. A., Lam.
3409	8.8	21 48.10	85.95	3	3.490	−20 57 31.1	85.96	3	11.63	O. A.
3410	9	21 50.87	86.14	2	3.501	−21 30 29.3	86.14	2	11.64	
3411	9	20 22 00.77	85.97	3	+3.470	−20 04 11.1	85.97	3	+11.65	
3412	7.2	22 18.97	85.65	4	3.496	−21 16 52.7	85.65	4	11.67	Lal., O. A., Bonn VI., Camb., Yar.
3413	8.7	22 55.39	85.98	3	3.500	−21 30 26.5	85.98	3	11.71	O. A., Lam.
3414	8.2	23 07.21	85.99	3	3.456	−19 28 22.0	85.99	3	11.73	[Yar., Cape.
3415	6.5	23 18.09	86.51	2	3.445	−18 57 43.4	86.51	2	11.74	Lal., O. A., Lam., Rüm., Brux.,
3416	9	20 23 21.29	86.13	2	+3.502	−21 38 17.2	86.13	2	+11.74	O. A., Lam.
3417	8.5	23 38.76	85.97	3	3.469	−20 08 03.5	85.97	3	11.76	
3418	9.2	23 42.94	86.14	2	3.481	−20 39 48.1	86.14	2	11.77	
3419	9	23 54.09	86.12	2	3.473	−20 18 12.4	86.28	3	11.78	
3420	7.2	24 00.65	85.65	4	3.490	−21 05 35.3	85.65	4	11.79	Lal., Bonn VI., Lam.
3421	8.5	20 24 09.98	85.66	4	+3.462	−19 49 56.8	85.66	4	+11.80	
3422	8.7	24 24.68	86.15	4	3.455	−19 30 38.4	86.15	4	11.82	O. A.
3423	9	25 45.84	86.01	3	3.457	−19 39 55.3	86.17	4	11.91	
3424	9	25 55.99	86.11	4	3.471	−20 21 18.9	85.95	3	11.92	O. A.
3425	9	26 08.62	85.66	3	3.473	−20 27 29.8	85.89	4	11.94	O. A., Lam.
3426	8.7	20 26 26.35	86.03	5	+3.456	−19 41 40.2	85.90	4	+11.96	Lam.
3427	9	26 44.85	86.13	2	3.502	−21 48 51.2	86.29	3	11.98	
3428	8.8	26 45.65	85.98	3	3.490	−21 17 14.9	85.98	3	11.98	Yar.
3429	8	27 15.07	85.63	3	3.482	−20 55 45.1	85.63	3	12.02	O. A., Lam.
3430	8.2	27 33.68	86.03	5	3.455	−19 40 45.9	86.03	5	12.04	Lal., O. A., Lam.
3431	7.8	20 27 50.76	85.66	4	+3.457	−19 47 22.9	85.84	5	+12.06	Lal., O. A., Lam.
3432	9	28 45.05	86.31	3	3.482	−21 00 38.2	86.31	3	12.12	O. A.
3433	9.2	28 47.29	86.40	4	3.449	−19 29 20.4	86.40	4	12.13	O. A.
3434	8.5	29 07.18	86.15	4	3.449	−19 28 51.1	86.15	4	12.15	Lal., O. A., Lam.
3435	8.7	29 40.49	85.66	3	3.488	−21 22 30.5	85.66	3	12.18	O. A.
3436	7.5	20 29 47.11	85.83	5	+3.479	−20 58 56.0	85.96	6	+12.20	Lal., O. A., Cape.
3437	9	30 05 66	85.65	3	3.463	−20 13 33.3	85.65	3	12.21	O. A.
3438	8.5	30 20.61	85.87	4	3.478	−20 57 45.2	85.87	4	12.23	Lal., O. A., Lam.
3439	8.5	30 45.12	85.64	4	3.463	−20 14 50.2	85.64	4	12.26	Lal., O. A.
3440	9	30 52.18	86.16	2	3.450	−19 39 01.3	86.16	2	12.27	
3441	8.5	20 30 55.31	85.67	3	+3.494	−21 43 59.7	85.67	3	+12.27	O. A., Lam., Yar., Wash. '74.
3442	8.8	31 13.93	86.31	3	3.440	−19 10 34.0	86.31	3	12.29	Bonn VI., Yar.
3443	8.2	31 36.91	86.15	2	3.440	−19 11 34.7	86.15	2	12.32	Lal., Bonn VI., Yar.
3444	8.3	31 40.18	85.67	3	3.495	−21 49 29.3	85 67	3	12.32	Lal., O. A., Lam., Yar.
3445	9	31 40.71	86.16	2	3.455	−19 57 40.5	86.32	3	12.32	O. A., Lam.
3446	7.7	20 31 45.12	85.65	4	+3.485	−21 23 36.7	85.65	4	+12.33	Lal., O. A., Lam., Brux., Yar.
3447	8	32 39.74	85.68	4	3.448	−19 40 51.7	85.86	5	12.39	Lal., O. A., Bonn VI., Lam.
3448	8.8	32 56.49	86.03	3	3.456	−20 04 28.2	86.03	3	12.41	O. A., Lam.
3449	8.5	32 57.62	85.65	4	3.483	−21 20 30.0	85.65	4	12.41	Lal., O. A., Yar.
3450	9	33 31.08	86.12	2	3.482	−21 21 54.3	86.12	2	12.45	O. A., Yar.

Number.....	Magnitudes.	Mean R. A. 1885.0	Epoch.....	No. of Obs.	Ann. Prec...	Mean Declination. 1885.0	Epoch.....	No. of Obs.	Ann. Prec...	Authorities.
		H. M. S.			s.	° ′ ″			″	
3451	9.2	20 33 46.48	86.29	3	+3.487	−21 37 24 5	86.29	3	+12.47	O. A. [motion.
3452	8.2	34 14.72	86.31	3	3.436	−19 11 07.2	86.31	3	12.50	Lal.,O. A., Lam.,Yar. Proper
3453	9.2	34 52.85	86.12	2	3.477	−21 13 05.0	86.12	2	12.54	O. A., Lam.
3454	8.2	35 09.76	85.99	3	3.441	−19 27 59.6	85.99	3	12.57	Lal., Bonn VI., Camb.
3455	9.2	35 26.16	86.12	2	3.486	−21 40 54.2	86.12	2	12.58	O. A., Lam.
3456	9	20 35 34.97	85.68	4	+3.445	−19 42 41.1	85.87	5	+12.59	Lam.
3457	8.5	36 22.07	85.83	6	3.448	−19 53 52.2	85 83	6	12.64	O. A., Bonn VI., Lam., Yar.
3458	8.8	36 28.02	85.96	3	3.463	−20 38 09.5	85 96	3	12.65	Lam., Cape.
3459	8.8	36 32.55	85.98	3	3.475	−21 13 12 9	85.98	3	12.66	Lam.
3460	8.7	36 51.21	85.71	4	3.447	−19 53 40.6	86.08	5	12.68	O. A., Bonn VI.
3461	9	20 36 53.71	86.14	2	+3.481	−21 30 49.0	86.14	2	+12.68	
3462	8.7	37 05.96	86.12	2	3.489	−21 54 18.0	86.12	2	12.70	
3463	8.3	37 08.09	85.90	4	3.483	−21 38 45.9	85 90	4	12.70	
3464	7.2	37 20.08	85.68	5	3.444	−19 45 19.4	85.68	5	12.71	Lal., O. A., Lam., Camb.
3465	8	37 32.22	85.67	4	3.482	−21 36 22.0	85.67	4	12.72	Lam.
3466	9	20 38 00.95	86.30	3	+3.437	−19 27 31.5	86.30	3	+12.76	O. A., Lam.
3467	8.2	38 10.69	85.65	4	3.474	−21 18 22.5	85.65	4	12.77	Lam., Yar.
3468	8.5	38 35.67	85.91	4	3.479	−21 34 04.6	85.91	4	12.80	O. A., Lam.
3469	9.3	38 40.71	85.96	3	3.464	−20 48 59.9	85.96	3	12.80	
3470	9	38 56.83	86.15	4	3.436	−19 28 12.4	86.25	5	12.82	O. A., Lam.
3471	9	20 39 12.88	85.95	4	+3.438	−19 35 12.9	85.95	4	+12.83	Lal., O. A.
3472	9	39 32.20	85.72	3	3.437	−19 33 15.3	86.07	5	12.86	Lal., O. A., Lam., Camb.
3473	9.2	39 42.96	86.26	3	3.465	−20 57 34.2	86 11	2	12.87	O. A.
3474	8.2	39 54.64	86.61	2	3.430	−19 13 34.8	86.61	2	12.89	O. A., Lam.
3475	9	39 58.53	86.21	2	3.447	−20 05 08.7	86.35	3	12.89	
3476	7.5	20 40 03.03	85.68	5	+3.442	−19 51 23.1	85 68	5	+12 89	Lal.,O. A., Lam.,Yar., Arm. 2.
3477	9	40 03.06	86.12	2	3.454	−20 27 02.4	86.29	3	12.89	
3478	8	40 49.87	86.31	3	3.425	−19 02 22.7	86.31	3	12.95	O. A., Lam.
3479	9.2	40 57.92	86.16	2	3.442	−19 54 14.0	86.16	2	12.95	
3480	7	41 38.99	85.68	4	3.436	−19 40 54.2	85.68	4	13.00	Lal., Bonn VI., Lam., Camb.
3481	8.7	20 41 41 07	86.17	2	+3.480	−21 46 25.2	86.17	2	+13.00	
3482	9	41 57.05	85.98	3	3.467	−21 12 19.2	85 98	3	13.02	Lam.
3483	8.7	42 08.72	85.92	4	3.440	−19 54 10.4	85 92	4	13.03	O. A., Lam.
3484	9	42 18.01	85.95	3	3.463	−21 02 29.9	85.95	3	13.05	O. A., Lam.
3485	8.7	42 27.40	86.17	2	3.484	−22 03 20.0	86.33	3	13.06	O. A., Lam.
3486	8.2	20 42 36.41	85.65	4	+3.463	−21 02 56.2	85.65	4	+13.06	O. A., Lam.
3487	8.8	43 25.58	85.72	3	3.443	−20 08 55.9	85.72	3	13.12	
3488	9	43 54.68	85.89	5	3.442	−20 07 00.7	85.89	5	13.15	
3489	9	43 56.38	86.03	3	3.439	−19 59 40.1	86.18	4	13.15	
3490	9.2	44 00.63	86.17	2	3.428	−19 24 17.6	86.17	2	13.16	
3491	7	20 44 15.45	85.67	3	+3.474	−21 44 14.9	85.67	3	+13.17	Lal., O. A., Lam., Tac.
3492	9	44 31.55	85.94	4	3.439	−20 01 04.1	86 03	3	13.19	O. A.
3493	8.7	44 50.71	85.66	3	3.468	−21 27 19.3	85.66	3	13.21	Yar.
3494	9.2	45 11.46	86.09	2	3.452	−20 42 01.6	86.09	2	13.23	
3495	9	45 23.81	86.09	2	3.443	−20 16 23.4	86.09	2	13.25	
3496	9	20 45 35.76	86.15	2	+3.428	−19 30 14.9	86.15	2	+13.26	
3497	8.2	45 47.10	86.15	2	3.421	−19 10 21.6	86.15	2	13.27	
3498	8.2	45 53.31	85.67	4	3.436	−19 57 37.4	85.67	4	13.28	Lal., O. A.
3499	9	46 26.64	86.17	2	3.470	−21 42 26.7	86.17	2	13.32	[Arm. 2.
3500	7	46 58.92	85.86	5	3.427	−19 32 48.7	85.86	5	13.35	Lal., O. A., Lam., Camb.,

Number.....	Magnitudes.	Mean R. A. 1885.0	Epoch.....	No. of Obs..	Ann. Prec...	Mean Declination. 1885.0	Epoch.....	No. of Obs..	Ann. Prec...	Authorities.
		H. M. S.			s.	° ′ ″			″	
3501	7	20 47 32.88	85.99	3	+3.423	−19 25 46.3	85.99	3	+13.39	Lal., O. A., Lam.
3502	8.8	47 46.34	85.98	3	3.472	−21 53 48.2	85.98	3	13.41	O. A., Lam.
3503	8.5	47 59.61	86.17	2	3.479	−22 16 22.5	86.17	2	13.42	O. A., Lam.
3504	9	47 59.57	86.17	2	3.420	−19 17 03.9	86 17	2	13.42	O. A. [Cape.
3505	7	48 13.85	86.15	4	3.419	−19 13 43.8	86.15	4	13.43	Lal., O. A., Lam., Brux., Yar.,
3506	9	20 49 05.22	85.95	4	+3.437	−20 15 17.8	85.95	4	+13.49	Lam. Note.
3507	8.2	49 12.46	86.61	2	3.413	−19 01 02.2	86 62	3	13.50	Lal., Bonn VI., Lam.
3508	8.5	49 32.42	85.99	3	3.421	−19 28 18.1	85.99	3	13 52	O. A., Lam., Yar.
3509	9	49 44.47	86.18	4	3.432	−20 01 02.6	86.18	4	13.53	
3510	9	50 39.47	86.33	3	3.471	−22 04 16.0	86.17	2	13.59	O. A.
3511	8.5	20 50 41.42	86.31	3	+3.415	−19 13 24.7	86.31	3	+13.59	O. A.
3512	9	51 07.99	86.17	2	3.413	−19 08 37.0	86.33	3	13 62	O. A.
3513	8.5	51 08.71	85.98	3	3.469	−21 59 49.7	85 98	3	13.62	Lal , O. A., Lam.
3514	8.8	51 15.09	86.33	3	3.462	−21 39 37.1	86.17	2	13 63	O. A.
3515	8.5	51 21.53	85.84	5	3.439	−20 30 46.9	85.84	5	13.63	Lam.
3516	9.2	20 51 24.72	86.32	3	+3.434	−20 14 28.0	86.32	3	+13.64	
3517	8.7	51 36.68	86.01	3	3.464	−21 46 40.2	86.01	3	13.65	Lal., O. A.
3518	8.2	52 30.98	85.99	3	3.415	−19 21 26.5	85.99	3	13.71	Lal., O. A., Lam.
3519	8	52 49.16	85.84	5	3.444	−20 53 19.3	85.84	5	13.73	Lal., O. A., Lam.
3520	6.8	53 04.00	86.03	5	3.417	−19 28 50.1	86.03	5	13.74	Lal., O. A., Lam., Rüm., Yar., [Green., Brux., Cape.
3521	8.7	20 53 09.42	86.12	2	+3.444	−20 55 01.3	86.12	2	+13.75	O. A.
3522	8.5	53 20 23	86.17	2	3.466	−22 03 12.8	86.17	2	13 76	O. A., Lam.
3523	8.5	53 23.74	85.70	3	3.427	−20 03 13.7	85.70	3	13.77	
3524	8.7	53 28 54	85.66	3	3.434	−20 25 35.1	85.66	3	13.77	O. A., Lam.
3525	9	53 35.34	86.25	5	3.416	−19 28 22.6	86.25	5	13.78	
3526	9	20 53 44.45	86.18	2	+3.416	−19 29 03.3	86.18	2	+13.79	
3527	8.2	54 20 60	85.82	6	3.432	−20 21 56.6	85.67	5	13.83	Lal., O. A., Lam.
3528	9.2	54 38.40	86.17	2	3.461	−21 53 46.0	86 17	2	13.85	Lam.
3529	8.8	54 54.93	86.31	3	3.412	−19 21 58.8	86.31	3	13.86	O. A.
3530	8.8	55 25.92	85.72	3	3.417	−19 41 41.8	85.72	3	13.89	O. A., Yar.
3531	9	20 55 29.17	86.17	2	+3.453	−21 34 19.7	86.17	2	+13.90	
3532	8.3	55 31.12	86.01	3	3.457	−21 46 56.0	86 01	3	13.90	O. A., Lam. Note.
3533	9	55 34.86	86.17	2	3.459	−21 51 54.8	86.17	2	13.91	
3534	9	55 43.42	85.96	3	3.438	−20 47 10.0	85.96	3	13.91	Lam.
3535	7.2	56 12.99	85.68	4	3.416	−19 42 00.3	85 68	4	13.94	Lal., O. A., Lam., Yar., Camb.
3536	8.5	20 56 34.69	85.68	4	+3.417	−19 46 11.0	85.68	4	+13 97	Lal., O. A. Proper motion.
3537	8.8	56 47.06	85.95	4	3.425	−20 10 37.4	85.95	4	13.98	O. A., Lam.
3538	8.5	56 47.30	85.99	3	3.459	−21 59 23.0	85.99	3	13.98	O. A., Lam. Note.
3539	8.2	57 18.10	85.66	3	3.443	−21 12 04.2	85.66	3	14.01	
3540	8.5	57 18.16	86.03	3	3.422	−20 04 19.6	86.03	3	14.01	Lal., O. A.
3541	8.2	20 57 42.93	86.61	2	+3.401	−18 58 35.3	86.61	2	+14.04	O. A.
3542	9	58 24.21	86.18	2	3.461	−22 12 42.6	86 18	2	14.08	
3543	8.5	58 37.17	85.67	4	3.450	−21 38 48.7	85.67	4	14.09	Lal., O. A.
3544	8.7	58 40.78	86.60	2	3.429	−20 34 09.2	86.27	3	14.10	Brux.
3545	8.5	59 08.67	85.66	3	3.444	−21 24 40.0	85.66	3	14.13	Lal., O. A., Lam. [Brux., Cape.
3546	7	21 00 08.55	85.65	3	+3.428	−20 38 20.9	85.65	3	+14.19	Lal., O. A., Lam., Camb.,
3547	9.2	00 17.63	86.35	3	3.419	−20 09 57 6	86 35	3	14.20	
3548	9	00 26.69	86.12	2	3.439	−21 12 46.4	86.12	2	14.21	O. A.
3549	8.5	00 27.43	85.66	3	3.426	−20 31 38.9	85.66	3	14.21	Lal., O. A.
3550	8.7	00 32.26	86.12	2	3.441	−21 21 06.6	86.12	2	14.21	O. A., Lam.

Number.....	Magnitudes.	Mean R. A. 1885.0	Epoch	No. of Obs..	Ann. Prec...	Mean Declination. 1885.0	Epoch	No. of Obs..	Ann. Prec...	Authorities.
		H. M. s.			s.	° ′ ″			″	
3551	8.2	21 00 36.47	86.15	2	+3.400	—19 09 40.3	86.15	2	+14.22	
3552	9	00 43.33	86.06	3	3.414	—19 56 37.1	86.06	3	14.23	
3553	8.5	00 45.96	86.01	5	3.433	—20 57 40.3	86.01	5	14.23	Lal., O. A.
3554	8.2	01 16.84	85.69	4	3.424	—20 29 50.6	85.69	4	14.26	Lal., O. A., Camb.
3555	9	01 30.92	86.01	3	3.404	—19 26 46.4	86.01	3	14.28	O. A.
3556	9	21 01 31.48	86.31	3	+3.403	—19 23 09.6	86.31	3	+14.28	O. A.
3557	9	01 40.49	86.34	3	3.420	—20 18 49.9	86.34	3	14.28	[Brux., Wash., Cape.
3558	6	01 58.14	85.67	4	3.444	—21 39 17.2	85.68	5	14.30	Lal., O. A., Lam., Rüm., Green.,
3559	7.2	02 42.17	85.67	4	3.425	—20 39 26.1	85.67	4	14.34	Lal., Bonn VI., Camb., Brux.,
3560	8.5	02 59.82	85.89	4	3.440	—21 30 39.1	85.85	5	14.36	Lam. [Cape.
3561	9.5	21 04 08.20	86.21	2	+3.405	—19 43 24.2	86.35	3	+14.43	
3562	8.2	05 30.25	85.67	5	3.423	—20 48 05.6	85.67	5	14.52	O. A., Lam.
3563	8	06 02.95	85.67	4	3.434	—21 28 57.0	85.67	4	14.55	Lal., O. A., Lam., Camb.
3564	8.8	06 29.52	86.01	3	3.439	—21 45 24.1	86.01	3	14.57	
3565	9.5	07 36.79	86.00	3	3.393	—19 19 43.8	86.00	3	14.64	O. A.
3566	9.2	21 07 41.20	86.33	3	+3.439	—21 54 09.8	86.33	3	+14.65	
3567	8	08 25.07	85.68	6	3.427	—21 15 36.7	85.68	6	14.69	Rüm.
3568	8.7	09 50.01	86.21	2	3.398	—19 49 07.0	86.35	3	14.77	[Cape.
3569	7.7	10 08.53	85.93	4	3.413	—20 39 04.0	85.93	4	14.79	Lal., O. A., Lam., Brux., Yar.,
3570	7.7	10 41.81	86.17	2	3.440	—22 13 11.3	86.17	2	14.83	Lam.
3571	8.5	21 10 42.35	85.96	4	+3.400	—19 59 07.2	85.96	4	+14.83	[Camb. Lal., O. A., Bonn VI., Rüm.,
3572	9.2	10 45.15	86.18	2	3.389	—19 22 36.3	86.18	2	14.83	
3573	8.5	10 47.56	85.72	4	3.405	—20 16 21.5	85.90	5	14.83	Lal., O. A.
3574	8.5	11 00.99	85.92	4	3.437	—22 04 50.9	85.92	4	14.85	Lam., Yar.
3575	8.5	11 06.67	85.68	4	3.430	—21 44 07.5	85.68	4	14.85	O. A., Lam.
3576	8.2	21 11 24.34	85.70	2	+3.430	—21 43 56.8	85.70	2	+14.87	O. A.
3577	8.5	11 43.41	86.15	2	3.384	—19 10 02.3	86.15	2	14.89	[Cape.
3578	7.2	11 54.82	85.69	5	3.413	—20 48 58.5	85.69	5	14.90	Lal., Bonn VI., Lam., Brux,
3579	8.7	12 23.17	86.21	2	3.401	—20 12 55.2	86.21	2	14.92	O. A.
3580	9.2	12 26.37	86.29	3	3.413	—20 54 12.7	86.29	3	14.93	
3581	8.5	21 12 32.17	85.70	3	+3.428	—21 45 39.2	85.70	3	+14.94	O. A., Lam.
3582	8.5	12 33.45	85.68	4	3.429	—21 46 21.5	85.68	4	14.94	O. A., Lam.
3583	8	12 35.07	85.71	4	3.407	—20 35 19.3	85.71	4	14.94	Lal., Bonn VI., Lam., Brux.
3584	9	13 45.19	85.98	4	3.401	—20 18 51.1	85.98	4	15.00	O. A., Bonn VI., Lam. Proper
3585	8.5	13 49.68	85.99	3	3.385	—19 25 08.2	85.99	3	15.01	Rüm. [motion.
3586	8.7	21 14 28.31	86.17	2	+3.428	—21 56 13.0	86.17	2	+15.04	O. A. [Cape.
3587	7.3	14 30.95	85.69	6	3.417	—21 18 19.6	85.82	7	15.05	Lal., Abo., Rüm., Brux., Yar.,
3588	9	14 45.15	85.88	5	3.413	—21 05 02.9	85.88	5	15.06	
3589	8.7	14 48.00	85.72	3	3.387	—19 39 09.5	85.72	3	15.07	
3590	9	14 49.96	86.31	3	3.381	—19 18 45.7	86.31	3	15.07	Lam.
3591	9.2	21 14 53.18	86.18	2	+3.399	—20 20 24.8	86.18	2	+15.07	O. A., Lam.
3592	8.5	14 53.94	86.03	3	3.394	—20 00 50.6	86.03	3	15.07	Lam.
3593	8.5	15 02.47	85.95	4	3.387	—19 40 16.7	85.95	4	15.08	
3594	7.5	15 16.78	86.31	3	3.379	—19 13 19.5	86.31	3	15.09	Lal., Rüm., Bonn VI., Cape.
3595	9.2	15 23.03	86.33	3	3.428	—22 01 15.5	86.33	3	15.10	
3596	8.7	21 15 35.55	86.17	4	+3.387	—19 42 44.8	86.32	3	+15.11	O. A.
3597	8.7	15 51.61	86.16	2	3.388	—19 48 24.6	86.16	2	15.13	O. A.
3598	8.5	16 52.20	85.97	4	3.393	—20 10 12.0	85.97	4	15.18	Lal., Bonn VI., Lam.
3599	9	17 39.40	86 21	2	3.391	—20 06 39.9	86.21	2	15.23	O. A.
3600	8.7	17 43.96	85.75	3	3.394	—20 17 04.5	86.11	5	15.23	

Number.....	Magnitudes.	Mean R. A. 1885.0	Epoch	No. of Obs.	Ann. Prec...	Mean Declination. 1885.0	Epoch	No. of Obs.	Ann. Prec...	Authorities.
		H. M. S.			s.	° ′ ″			″	
3601	8.7	21 18 11.27	86.21	2	+3.390	—20 05 24.2	86 21	2	+15.26	O. A.
3602	8.8	18 29.51	86.30	3	3.378	—19 26 46.0	86.39	4	15.28	Rüm., Lam.
3603	8.2	19 08.96	86.15	4	3.424	—22 09 27.7	85.98	3	15.31	O. A., Lam.
3604	8.7	19 09.79	86.17	2	3.421	—22 00 40.1	86.17	2	15.31	O. A.
3605	8	19 15.98	86.31	3	3.371	—19 04 50.9	86.31	3	15.32	Lal., Rüm., Bonn VI., Lam.
3606	7.5	21 19 41.36	86.15	4	+3.426	—22 19 31.1	86.15	4	+15.34	Lam., Yar.
3607	8	19 50.51	85.69	4	3.411	—21 29 42.5	85.69	4	15.35	Lal., O. A., Lam.
3608	9	19 56.43	86.08	5	3.401	—20 55 15.8	86 08	5	15.36	O. A.
3609	7.5	20 35.44	85.94	4	3.377	—19 33 15.4	85.94	4	15.40	
3610	8	20 45.31	85.73	4	3.381	—19 48 35.1	85.73	4	15.40	Yar.
3611	8	21 21 00.01	85.68	3	+3.395	—20 42 29.4	85.93	4	+15.42	Lal., O. A., Lam. Proper motion.
3612	9	21 18.70	86.16	2	3.378	—19 40 41.5	86.16	2	15.44	[Brux. Proper motion.
3613	8.2	21 39.54	86.15	4	3.420	—22 13 01.4	86.15	4	15.46	Lal., Bonn VI., Lam., Rüm.,
3614	8.5	22 37.35	85.74	3	3.382	—20 02 32.9	85.96	4	15.51	Lam.
3615	8.5	23 04.53	85.72	4	3.385	—20 16 00.8	85.72	4	15.53	Lam.
3616	7	21 23 32.17	85.72	3	+3.374	—19 38 53.8	85.72	3	+15.56	[Cape. Lal., O. A., Lam., Brux., Yar.,
3617	9	24 53.97	86.21	2	3.374	—19 49 38.8	86.38	3	15.63	O. A., Lam., Yar. [Cape.
3618	7.2	24 58.01	85.73	4	3 373	—19 44 30.1	85 73	4	15.64	Lal., O. A., Lam., Brux., Yar.,
3619	9	25 54.34	85.72	3	3.368	—19 32 01.3	85.72	3	15.69	
3620	8.2	25 55.85	85.68	4	3.400	—21 27 34.7	85.68	4	15.69	Lal., O. A., Lam.
3621	8.7	21 26 06.92	85.72	4	+3.390	—20 53 24.7	85.72	4	+15.70	O. A.
3622	8.7	26 23.52	86.31	3	3.360	—19 05 09.5	86.31	3	15.72	
3623	9	26 35.62	85.71	4	3.387	—20 47 39.5	85.71	4	15.73	O. A., Lam.
3624	8.5	26 42.95	85.96	4	3.394	—21 11 03.0	85 96	4	15.73	Lal., Bonn VI., Lam.
3625	8.5	26 47.62	86.31	3	3.359	—19 04 31.7	86.31	3	15.74	
3626	8.3	21 26 55.09	85.67	3	+3.403	—21 47 00.6	85.67	3	+15.75	Lal., O. A.
3627	9	27 28.14	85.67	3	3.403	—21 47 57.5	85.67	3	15.77	O. A., Lam.
3628	8.2	28 03.61	85.72	3	3.367	—19 42 23.0	85.72	3	15.80	O. A., Lam.
3629	8.3	28 23.42	85.94	4	3.387	—20 57 18.4	85.94	4	15.82	Lal., Bonn VI., Lam.
3630	8.2	28 33.78	85.98	4	3.377	—20 20 49.0	85 98	4	15.83	
3631	9.2	21 28 50.21	86.21	2	+3.377	—20 24 19.7	86.36	3	+15.85	
3632	8	28 53.06	85.95	4	3.367	—19 45 20.7	85.95	4	15.85	O. A., Lam.
3633	8.2	29 06.89	85.99	3	3.359	—19 16 57.9	86.15	4	15.86	Lal., O. A.
3634	8.7	29 20.87	85.67	3	3.396	—21 35 09.1	85.67	3	15.88	
3635	8	30 13.66	85.98	3	3.401	—22 00 55.3	85.98	3	15.92	Lal., Bonn VI., Tac.
3636	7.2	21 30 32.92	86.31	3	+3.356	—19 15 22.6	86.31	3	+15.94	O. A.
3637	9	30 40.15	85.92	4	3.393	—21 33 15.5	85.92	4	15 94	
3638	7.7	30 56.18	86.61	2	3.351	—18 57 07.0	86.61	2	15.96	O. A., Lam., Brux., Cape.
3639	8	31 08 32	85.72	4	3.382	—20 56 46.9	85.72	4	15.97	O. A.
3640	7.5	31 11.80	85.73	4	3.363	—19 44 47.8	85.73	4	15.97	Lal., Bonn VI., Lam., Brux.
3641	8.5	21 32 16.55	86.31	3	+3.352	—19 12 01.5	86.31	3	+16.03	O. A., Lam., Rüm.
3642	7.5	32 38.66	86.12	2	3.400	—22 13 54.6	86.12	2	16.05	O. A., Lam., Tac.
3643	8	33 05.67	85 73	4	3 359	—19 44 07.3	85.73	4	16.07	O. A., Lam., Brux.
3644	8.5	33 31.73	85.71	5	3.374	—20 44 29.9	85.71	5	16.09	O. A., Lam., Yar.
3645	7.2	34 10.27	85.94	4	3.352	—19 24 55.7	85.94	4	16.13	Lam., Rüm., Brux.
3646	9	21 34 36.27	86.20	2	+3.358	—19 48 15.0	86.37	3	+16.15	
3647	7.5	35 03.42	86.12	2	3.395	—22 11 05.0	86.30	3	16.18	
3648	9	35 04.52	85.65	2	3.389	—21 49 14.3	85.98	3	16 18	
3649	7	35 19.89	85.73	5	3.365	—20 19 41.5	85.73	5	16 19	Lal., O. A., Lam., Yar., Cape.
3650	9.2	35 36.40	86.25	2	3.356	—19 49 35.6	86.25	2	16.20	

Number.....	Magnitudes.	Mean R. A 1885.0	Epoch.....	No. of Obs..	Ann. Prec...	Mean Declination. 1885.0	Epoch.....	No. of Obs.	Ann. Prec...	Authorities.
		H. M. S.			s.	° ′ ″			″	
3651	8.2	21 36 32.77	85.72	4	+3.372	−20 56 10.7	85.72	4	+16.25	Lam.
3652	9	37 26.43	85.71	3	3.376	−21 17 16.3	85.71	3	16.30	O. A.
3653	8	37 36.34	85.76	4	3.356	−20 02 02.8	85.95	5	16.30	Lal., O. A., Lam.
3654	8.8	37 37.82	85.70	3	3.363	−20 27 46.8	85.70	3	16.30	
3655	9	38 07.20	85.77	3	3.355	−20 03 11.7	86.01	4	16.33	O. A., Lam.
3656	9.2	21 38 38.88	85.95	4	+3.364	−20 38 23.1	85.95	4	+16.36	O. A.
3657	9	40 42.91	85.87	6	3.366	−21 03 04.5	85.87	6	16.46	Lam.
3658	8.5	40 58.78	86.01	4	3.343	−19 35 02.7	86.01	4	16.48	
3659	9	41 06.04	85.96	4	3.369	−21 17 37.7	85.96	4	16.48	O. A.
3660	7.7	41 16.24	85.76	4	3.351	−20 06 31.5	85.95	5	16.49	Lam., Rüm., Brux.
3661	9.2	21 41 18.06	86.20	2	+3.340	−19 21 25.9	86.20	2	+16.49	
3662	8.5	42 16.83	85.77	3	3.347	−19 56 42.5	85.77	3	16.54	O. A., Lam.
3663	9.2	42 29.27	86.25	2	3.350	−20 11 39.6	86.25	2	16.55	O. A.
3664	9	42 37.53	85.70	3	3.357	−20 40 55.0	85.70	3	16.56	Lam.
3665	8.5	43 26.67	85.71	5	3.361	−21 00 49.5	85.71	5	16.60	Lal., Rüm., Bonn VI., Lam.
3666	9	21 43 36.91	86.36	3	+3.334	−19 14 03.8	86.21	2	+16.61	
3667	9	43 53.66	85.98	3	3.372	−21 48 44.6	85.98	3	16.62	O. A.
3668	7.5	44 25.24	85.71	5	3.360	−21 04 38.0	85.71	5	16.65	Lal., Bonn VI., Lam., Arm. 2.
3669	7.7	44 31.51	85.71	5	3.354	−20 43 30.8	85.74	4	16.65	Lal., O. A., Rüm., Lam.
3670	8.2	44 51.92	85.73	5	3.349	−20 23 23.4	85.88	6	16.67	O. A. [Brux., Cape.
3671	7	21 45 18.45	86.21	2	+3.330	−19 09 29.6	86.21	2	+16.69	Lal., O. A., Rüm., Lam.,
3672	9	45 24.10	85.91	4	3.368	−21 46 47.1	85.91	4	16.70	O. A., Lam.
3673	8.8	45 25.59	86.06	3	3.333	−19 22 45.4	86.06	3	16.70	Rüm.
3674	8.7	45 45.04	86.25	2	3.337	−19 40 19.3	86.40	3	16.71	Lam., Yar.
3675	9	46 10.94	85.76	3	3.346	−20 21 02.5	85.98	4	16.73	
3676	8	21 46 17.11	85.76	4	+3.341	−20 03 41.8	85.95	5	+16.73	Lal., Rüm., Bonn VI., Lam.
3677	8.5	46 39.12	85.78	3	3.335	−19 41 25.5	85.78	3	16.75	O. A., Lam., Yar.
3678	8	47 22.39	85.75	4	3.346	−20 33 08.7	85.75	4	16.79	Lal., O. A., Lam.
3679	9	47 50.44	86.07	3	3.346	−20 33 14.8	86.07	3	16.81	
3680	8.5	48 55.88	85.75	3	3.338	−20 10 52.0	86.14	5	16.86	Rüm.
3681	8	21 49 12.08	85.75	3	+3.349	−20 57 50.7	85.75	3	+16.88	O. A.
3682	8.5	49 12.92	85.77	3	3.334	−19 56 48.1	86.01	4	16.88	O. A., Rüm.
3683	7.5	49 13.41	85.68	4	3.360	−21 41 00.0	85.68	4	16.88	O. A., Lam., Yar.
3684	8.7	50 04.47	85.77	3	3.334	−19 59 46.8	86.01	4	16.92	O. A., Rüm.
3685	8.7	50 04.76	86.05	3	3.336	−20 11 51.2	86.05	3	16.92	
3686	9	21 50 10.38	86.19	2	+3.352	−21 18 39.2	86.36	3	+16.92	Yar.
3687	9	50 11.81	85.98	4	3.349	−21 04 41.1	85.98	4	16.92	
3688	7.5	50 42.69	86.01	4	3.329	−19 44 09.7	86.01	4	16.95	Lal., O. A., Rüm., Lam., Green.
3689	8.5	50 56.45	86.06	3	3.324	−19 26 36.0	86.06	3	16.96	Rüm.
3690	9	51 05.72	86.00	3	3.356	−21 39 54.4	86.00	3	16.96	O. A., Yar.
3691	9	21 51 06.58	85.93	4	+3.356	−21 41 29.9	85.93	4	+16.97	O. A., Yar.
3692	8.5	51 54.13	85.91	5	3.348	−21 17 03.9	85.91	5	17.00	Rüm., Yar.
3693	8.8	52 03.67	86.09	3	3.329	−19 55 50.1	86.09	3	17.01	O. A., Rüm.
3694	8.5	52 28.44	85.75	3	3.332	−20 09 20.5	85.75	3	17.03	Lal., Bonn VI., Yar.
3695	8.5	52 45.35	85.77	3	3.327	−19 52 12.1	85.77	3	17.04	Lal., O. A.
3696	8.5	21 52 56.11	85.73	4	+3.336	−20 33 12.5	85.73	4	+17.05	Rüm., Yar.
3697	9.5	52 56.79	86.37	3	3.333	−20 17 35.9	86.37	3	17.05	
3698	8.5	54 07.31	85.71	4	3.345	−21 22 11.6	85.71	4	17.10	Lal., O. A., Bonn VI.
3699	9	54 31.93	85.95	4	3.338	−20 53 41.2	85.95	4	17.12	O. A., Yar.
3700	8.5	54 52.74	85.78	4	3.323	−19 51 50.0	85.78	4	17.14	O. A., Rüm.

Number.....	Magnitudes.	Mean R. A. 1885.0	Epoch.....	No. of Obs.	Ann. Prec...	Mean Declination. 1885.0	Epoch.....	No. of Obs.	Ann. Prec...	Authorities.
		H. M. S.			s.	° ′ ″			″	
3701	9.5	21 55 20.78	86.25	2	+3.321	—19 46 56.1	86.25	2	+17.16	
3702	9	56 49.77	86.21	4	3.330	—20 39 50.6	86.21	4	17.23	O. A., Yar., Brux.
3703	8	57 45.91	86.14	2	3.352	—22 20 12.0	86.14	2	17.27	Lal., O. A., Lam., Yar.
3704	7.8	58 03.72	85.72	4	3.332	—20 58 07.5	85.72	4	17.28	O. A., Brux.
3705	8.8	58 25.28	85.72	3	3.336	—21 14 51.8	85.72	3	17.29	O. A., Rüm.
3706	8.3	21 58 32.09	85.78	3	+3.313	—19 37 57.2	85.78	3	+17.30	Rüm., Yar.
3707	9	58 53.52	86.21	2	3.310	—19 23 26.8	86.35	3	17.32	
3708	7.8	59 28.66	86.21	2	3.306	—19 13 34.7	86.21	2	17.35	Lal., O. A., Rüm., Yar.
3709	8.5	59 31.08	85.73	5	3.321	—20 19 53.6	85.73	5	17.35	O. A., Bonn VI., Yar.
3710	9	59 34.82	86.21	2	3.310	—19 29 24.5	86.21	2	17.35	O. A., Yar.
3711	7.2	22 01 05.10	85.76	4	+3.315	—20 07 44.1	85.76	4	+17.41	Lal., O. A., Bonn VI.
3712	7.5	01 16.24	85.72	4	3.331	—21 19 10.9	85.72	4	17.42	
3713	8.5	01 24.43	85.72	4	3.316	—20 14 52.2	85.72	4	17.43	O. A.
3714	7.7	01 27.42	86.14	2	3.341	—22 09 13.9	86.14	2	17.43	Lal., O. A., Rüm., Lam.
2715	8.8	02 01.76	86.25	4	3.308	—19 38 45.2	86.41	3	17.45	
3716	9	22 02 18.95	86.15	2	+3.341	—22 15 04.0	86.32	3	+17.47	O. A., Lam.
3717	8.5	02 47.57	86 39	3	3.298	—19 02 45.1	86.39	3	17.49	Lal., O. A., Rüm.
3718	8.5	03 00.80	85.78	3	3.304	—19 32 59.8	85.78	3	17.50	
3719	9	03 21.43	86.05	3	3 315	—20 27 06.6	86.05	3	17.51	
3720	8.8	03 37.20	85.91	5	3.315	—20 28 00.3	85.91	5	17.52	
3721	9	22 03 55.82	85.72	5	+3.316	—20 35 01.0	85.72	5	+17.54	
3722	8.5	03 56.71	85.69	4	3.329	—21 33 24.1	85.71	3	17.54	Lal., O. A.
3723	8.5	04 00.38	86.25	2	3.306	—19 47 05.3	86.25	2	17.54	
3724	8.7	04 27.62	85.71	3	3.317	—20 43 29.6	85.71	3	17.56	
3725	9	04 59.94	86.26	2	3.300	—19 29 24.0	86.26	2	17.58	
3726	9	22 06 10.17	86.09	3	+3.302	—19 49 33.5	86.09	3	+17.63	
2727	9	06 13.82	86.23	2	3.313	—20 41 01.2	86.23	2	17.63	
3728	9	06 24.14	85.90	5	3.312	—20 40 32.5	85.90	5	17.64	
3729	7.7	06 25.90	85.95	4	3.322	—21 27 22.5	85.95	4	17.64	Lal., Rüm., Bonn VI., Lam.
3730	9	06 32.07	86.14	2	3 330	—22 03 01.5	86.14	2	17.64	O. A., Lam.
3731	8.3	22 06 47.76	85.99	3	+3.328	—21 58 27.7	85.99	3	+17.66	O. A., Rüm., Lam.
3732	9	07 02.50	86.23	2	3.312	—20 43 24.6	86.23	2	17.67	
3733	9.2	07 08.80	86.25	2	3.304	—20 08 38.1	86.41	3	17.67	
3734	7.8	07 44.88	85.99	3	3.326	—21 58 50.3	85.99	3	17.70	Lal., O. A., Lam.
3735	7.5	08 01.90	85.78	4	3.298	—19 49 00.2	86.96	5	17.71	Lal., O. A., Lam.
3736	9	22 08 07.34	86.42	4	+3.321	—21 36 07.6	86.42	4	+17.71	Lal., O. A., Rüm.
3737	8.5	08 08.46	86.09	5	3.319	—21 30 49.2	86.09	5	17.71	Lal., O. A., Rüm.
3738	8.5	08 26.86	86.10	3	3.291	—19 15 47.5	86.10	3	17.73	
3739	8.2	08 45.69	85.72	4	3.305	—20 27 55.7	85.72	4	17.74	Lal., Rüm., Bonn VI., Lam.
3740	8.8	09 15.10	86.07	3	3.301	—20 12 36.4	86.24	4	17.76	O. A.
3741	8.5	22 09 19.81	86.02	3	+3.321	—21 50 49.3	86.18	2	+17.76	Lal., O. A., Lam.
3742	8.7	09 36.25	86.09	3	3 293	—19 37 49.4	86.09	3	17.77	
3743	8.7	09 48.38	85.67	2	3.318	—21 41 34.4	85.67	2	17.78	O. A.
3744	8.7	09 52.13	85.71	3	3.304	—20 32 44.9	85.71	3	17.78	O. A.
3745	8.5	09 58.69	85.73	4	3.304	—20 35 34.0	85.73	4	17.79	O. A.
3746	8	22 10 03.19	85.75	3	+3.300	—20 13 52.7	85.75	3	+17.79	Lal., O. A., Rüm., Lam.
3747	7.5	10 35.17	85.72	5	3.303	—20 35 46.5	85.72	5	17.81	Lal., O. A.
3748	9.2	11 02.96	86.26	2	3.287	—19 22 17.6	86.43	3	17.83	
3749	8.5	11 39 69	86.36	3	3.307	—21 04 08.3	86.20	2	17.86	O. A.
3750	9	11 54.01	86.14	2	3.318	—22 00 08.0	86.31	3	17.86	O. A.

Number.....	Magnitudes.	Mean R. A. 1885.0	Epoch.....	No. of Obs..	Ann. Prec...	Mean Declination. 1885.0	Epoch.....	No. of Obs..	Ann. Prec...	Authorities.
		H. M. S.			s.	° ′ ″			″	
3751	8.5	22 12 06.62	85.68	3	+3.312	—21 34 36.7	85.68	3	+17.87	Lal., O. A., Rüm.
3752	8.5	12 13.20	86.23	2	3.306	—21 04 11.5	86.23	2	17.88	O. A., Lam.
3753	8.7	12 14.70	86.02	3	3.303	—20 50 25.0	86.18	4	17.88	Lal., Bonn VI.
3754	7.3	12 14.90	85.72	4	3.309	—21 18 47.6	85.72	4	17.88	Lal., Bonn VI., Rüm.
3755	8.2	12 29.88	85.87	6	3.302	—20 48 21.3	85.87	6	17.89	Lal., Bonn VI., Rüm.
3756	9	22 13 37.02	86.02	3	+3.313	—21 53 37.8	86.02	3	+17.93	O. A.
3757	8.5	14 14.29	85.77	3	3.286	—19 46 47.4	85.77	3	17.96	O. A., Rüm.
3758	9	14 16.77	86.25	2	3.286	—19 44 17.5	86.25	2	17.96	
3759	8.5	14 33.47	85.72	4	3.294	—20 30 41.8	85.72	4	17.97	O. A., Rüm.
3760	9	14 49.32	86.14	2	3.314	—22 12 41.5	86.14	2	17.98	Lal., O. A., Bonn VI.
3761	8	22 15 07.97	86.27	2	+3.277	—19 05 04.4	86.27	2	+17.99	Lam.
3762	8.5	15 23.54	85.72	4	3.303	—21 21 43.2	85.72	4	18.00	O. A.
3763	8.2	15 38.67	85.71	3	3.303	—21 24 24.5	85.71	3	18.01	O. A., Rüm.
3764	7.5	15 43.14	85.77	3	3.286	—20 00 41.8	85.77	3	18.01	Lal., O. A., Lam.
3765	8	16 04.07	85.71	4	3.294	—20 45 01.7	85.71	4	18.03	
3766	8.2	22 16 22.27	85.77	3	+3.284	—19 55 46.7	85.77	3	+18.04	Lal., O. A., Lam.
3767	8	17 12.54	85.90	5	3.294	—20 53 37.3	85.90	5	18.07	Lal., O. A., Lam.
3768	8.7	17 15.78	85.76	4	3.287	—20 16 43.5	85.76	4	18.07	O. A., Rüm.
3769	8	17 27.28	85.72	3	3.297	—21 11 46.3	85.72	3	18.08	Lal., O. A.
3770	7.5	17 56.83	86.14	2	3.307	—22 10 46.7	86.14	2	18.10	Lal., O. A., Lam.
3771	9.5	22 18 57.73	86.27	2	+3.275	—19 30 20.0	86.43	3	+18.13	
3772	8.5	19 03.80	85.75	4	3.287	—20 36 48.8	85.75	4	18.14	O. A., Lam.
3773	7	19 30.98	85.92	5	3.288	—20 49 12.5	85.92	5	18.16	Lal., O. A., Lam.
3774	9	19 39.89	86.23	2	3.288	—20 49 13.6	86 23	2	18.16	O. A.
3775	8.5	19 55.79	86.09	3	3.276	—19 46 16.3	86.09	3	18.17	
3776	8.7	22 19 57.55	86.41	3	+3.277	—19 51 22.7	86.41	3	+18.17	
3777	8	20 02.34	86.28	2	3.268	—19 08 51.3	86.27	2	18.18	
3778	8	20 46.55	86.01	4	3.276	—19 55 22.6	86.01	4	18.21	Lal., O. A., Rüm.
3779	9	20 49.59	86.21	4	3.287	—20 54 11.2	86.21	4	18.21	O. A.
3780	8.7	20 53.65	86.09	3	3.275	—19 50 40.4	86.09	3	18.21	
3781	8.7	22 20 56.26	85.76	4	+3.277	—20 01 36.7	85.76	4	+18.21	Lal., O. A., Rüm., Lam.
3782	8.7	21 05.40	86.27	2	3.271	—19 31 40.6	86.27	2	18.21	
3783	9	21 54.18	85.98	4	3.285	—20 57 58.2	85.98	4	18.24	O. A.
3784	9.2	22 09.10	86.37	3	3.281	—20 42 13.7	86.37	3	18.26	
3785	9	22 35.41	85.78	2	3.265	—19 18 32.1	86.10	3	18.27	Lam.
3786	8	22 22 49.75	85.75	3	+3.283	—20 59 45.0	85.75	3	+18.28	Lal., O. A.
3787	9.2	22 52.35	86.35	3	3.287	—21 21 20.4	86.19	2	18.28	
3788	8.7	22 53.34	85.77	3	3.272	—19 58 58.3	85.77	3	18.28	
3789	9	23 36.57	85.76	3	3.276	—20 29 45.8	85.76	3	18.31	
3790	9	23 37.07	86.27	2	3.265	—19 28 38.8	86.27	2	18.31	
3791	8.5	22 24 37.01	85.78	3	+3.267	—19 46 30.7	85.78	3	+18.34	O. A.
3792	9	24 54.02	86.25	2	3.265	—19 39 49.5	86.25	2	18.35	
3793	9.2	25 16.21	86 22	2	3.275	—20 39 29.7	86.22	2	18.37	
3794	9	26 08.32	86.35	3	3.280	—21 18 00.7	86.35	3	18.39	
3795	9.2	26 57.22	86.22	2	3.271	—20 37 53.4	86.22	2	18.42	
3796	9	22 27 05.01	86.25	2	+3.263	—19 51 11.8	86.72	3	+18.43	O. A.
3797	8.2	27 53.74	85.77	3	3.262	—19 57 19.2	85.77	3	18.45	O. A., Lam.
3798	8.5	27 57.11	86.27	2	3.255	—19 16 43.9	86.27	2	18.46	
3799	8.2	28 10.07	85.78	3	3 258	—19 38 33.8	86.09	3	18.47	O. A.
3800	7.5	28 27.19	85.76	3	3.266	—20 27 09.3	85.76	3	18.48	O. A., Lam.

Number.....	Magnitudes.	Mean R. A. 1885.0	Epoch	No. of Obs..	Ann. Prec...	Mean Declination. 1885.0	Epoch	No. of Obs..	Ann. Prec...	Authorities.
		H. M. S.			s.	° ′ ″			″	
3801	7.5	22 29 38.40	85.69	4	+3.275	—21 31 43.0	85.69	4	+18.52	Lal., O. A., Lam.
3802	7.2	30 31.20	85.68	3	3.275	—21 41 07.4	85.68	3	18.54	Lal., O. A., Lam.
3803	9	30 39.55	86.41	3	3.253	—19 35 25.1	86.41	3	18.55	
3804	9.2	30 43.85	86.43	3	3.252	—19 28 51.0	86.43	3	18.55	O. A., Bonn VI.
3805	7.5	31 15.05	85.98	4	3.266	—20 58 22.5	85.98	4	18.57	Lal., Bonn VI., Lam.
3806	8.7	22 31 41.83	85.76	2	+3.265	—20 56 23.2	85.76	2	+18.58	
3807	8.7	32 17.45	85.71	2	3.268	—21 25 50.7	85.71	2	18.60	
3808	8.8	32 27.43	85.72	3	3.266	—21 12 55.5	85.72	3	18.61	
3809	9	32 33.40	86.27	2	3.249	—19 28 52.4	86.27	2	18.61	O. A., Lam.
3810	8.8	33 20.61	85.68	3	3.268	—21 39 14.6	85.68	3	18.64	
3811	8.5	22 33 27.22	86.01	4	+3.249	—19 43 22.2	86.01	4	+18.64	Lal., O. A.
3812	9	33 32.62	86.07	3	3.255	—20 17 46.4	86.07	3	18.64	
3813	7.5	33 49.93	85.78	4	3.249	—19 47 42.6	85.78	4	18.66	Lal., O. A., Rüm.
3814	8.2	33 53.67	86.75	4	3.257	—20 36 25.3	86.74	3	18.66	
3815	8.7	33 54.81	86.19	2	3.264	—21 18 30.9	86.35	3	18.66	
3816	9.2	22 35 01.43	86.23	2	+3.256	—20 47 21.7	86.23	2	+18.69	
3817	8.8	35 45.41	86.03	3	3.261	—21 23 01.7	86.03	3	18.72	
3818	8.7	35 50.67	86.27	2	3.238	—19 02 09.9	86.27	2	18.72	O. A., Lam.
3819	8.5	36 23.72	85.69	4	3.261	—21 32 48.4	85.69	4	18.73	
3820	8.7	36 35.95	86.00	3	3.263	—21 46 46.6	86.16	4	18.74	
3821	8.3	22 37 21.05	85.77	3	+3.244	—19 57 02.9	85.77	3	+18.76	O. A.
3822	6	37 23.79	86.10	3	3.239	—19 25 55.6	86.10	3	18.77	Lal., Rüm., Lam., Cape.
3823	8.7	37 49.18	86.03	3	3.256	—21 20 43.2	86.03	3	18.78	
3824	7.7	38 00.90	85.77	3	3.242	—19 57 31.6	85.77	3	18.78	O. A.
3825	8.7	38 20.56	86.09	3	3.239	—19 41 26.0	86.09	3	18.79	Lam.
3826	8.5	22 38 22.12	86.19	2	+3.257	—21 33 03.2	86.19	2	+18.79	O. A.
3827	8.5	38 24.43	85.77	3	3.241	—19 53 52.0	85.77	3	18.80	O. A.
3828	8.7	38 41.98	86.43	3	3.236	—19 25 27.7	86.27	2	18.81	
3829	9.2	38 58.03	86.38	3	3.250	—20 57 33.3	86.38	3	18.81	
3830	8.5	39 05.12	86.19	4	3.254	—21 28 31.5	86.19	4	18.81	O. A.
3831	8.5	22 40 25.22	85.74	4	+3.246	—20 51 55.3	85.74	4	+18.86	O. A.
3832	7.5	40 37.48	85.72	4	3.250	—21 23 45.0	85.72	4	18.86	O. A.
3833	8.5	40 40.55	85.76	3	3.242	—20 30 31.7	85.76	3	18.86	
3834	9	40 51.94	86.25	2	3.236	—19 55 19.2	86.25	2	18.87	
3835	8	41 13.68	85.70	4	3.251	—21 39 25.7	85.70	4	18.88	O. A.
3836	8	22 41 21.80	85.78	3	+3.234	—19 46 08.1	85.78	3	+18.88	O. A. [Rad. '88. Prop. mo.
3837	6	41 22.36	85.76	4	3.238	—20 12 45.3	85.76	4	18.88	Brad., Abo., Lam., Brux., Cape,
3838	8.5	41 52.72	86.01	3	3.255	—22 14 12.0	86.01	3	18.90	O. A.
3839	8.5	42 01.35	86.09	3	3.232	—19 38 01.7	86.09	3	18.91	O. A.
3840	8.5	42 08.43	85.76	4	3.237	—20 18 12.5	85.76	4	18.91	Lal., Bonn VI., Brux.
3841	8.7	22 42 40.09	86.25	2	+3.231	—19 41 54.0	86.25	2	+18.92	O. A.
3842	8.5	42 42.62	86.27	2	3.227	—19 13 10.3	86.27	2	18.92	Rüm., Brux.
3843	9	43 19.69	86.43	3	3.227	—19 25 00.7	86.43	3	18.94	Rüm.
3844	7.5	43 44.47	85.74	4	3.239	—20 53 31.2	85.74	4	18.95	Lal., O. A., Bonn VI.
3845	8.5	44 45.98	86.10	3	3.224	—19 20 49.6	86.10	3	18.98	Brux.
3846	8.5	22 45 26.76	85.72	3	+3.241	—21 32 57.4	85.72	3	+19.00	
3847	8.5	45 36.80	85.75	3	3.228	—20 04 42.3	86.09	3	19.01	O. A.
3848	8.5	46 01.39	86.10	3	3.222	—19 23 43.3	86.10	3	19.02	
3849	8.2	46 16.72	85.72	3	3.241	—21 47 37.7	85.72	3	19.02	O. A.
3850	8.8	46 26.28	86.06	3	3.232	—20 40 45.4	86.06	3	19.03	

Number.....	Magnitudes.	Mean R. A. 1885.0	Epoch.....	No. of Obs.	Ann. Prec...	Mean Declination. 1885.0	Epoch.....	No. of Obs.	Ann. Prec...	Authorities.
		H. M. S.			s.	° ′ ″			″	
3851	7.2	22 46 26.74	85.78	3	+3.223	—19 38 49.6	86.00	4	+19.03	Lal., O. A., Lam.
3852	8.7	47 13.20	86.22	2	3.230	—20 40 48.8	86.22	2	19.05	O. A.
3853	9	47 51.74	86.38	3	3.231	—20 59 22.0	86.38	3	19.07	O. A., Bonn VI.
3854	7	47 55.46	85.78	4	3.221	—19 47 11.2	85.78	4	19.07	Lal., O. A.
3855	9	48 16.73	86.25	2	3.219	—19 39 19.2	86.25	2	19.08	
3856	9	22 48 17.69	86.21	4	+3.234	—21 27 37.4	86.03	3	+19.08	O. A., Bonn VI.
3857	8.5	48 47.12	85.77	3	3.220	—19 55 17.5	85.77	3	19.09	O. A.
3858	9.2	49 09.11	86.20	2	3.235	—21 47 56.8	86.20	2	19.10	
3859	6.7	49 20.13	85.74	4	3.226	—20 45 03.6	85.74	4	19.11	Lal., Bonn VI.
3860	8.5	49 44.28	85.72	3	3.228	—21 08 37.8	85.72	3	19.12	Lal., O. A., Bonn VI.
3861	9	22 51 00.35	86.03	3	+3.231	—21 47 16.0	86.03	3	+19.15	
3862	7.8	51 00.61	85.75	3	3.218	—20 10 00.6	85.75	3	19.15	O. A., Bonn VI.
3863	8.2	51 20.25	85.74	5	3.226	—21 16 58.5	85.74	5	19.16	O. A.
3864	7.5	51 27.05	85.74	4	3.223	—20 53 20.0	85.74	4	19.16	Lal., Bonn VI.
3865	8	51 47.20	85.76	3	3.219	—20 26 41.4	85.76	3	19.17	
3866	8	22 51 54.74	86.01	4	+3.212	—19 35 12.1	86.01	4	+19.18	O. A.
3867	8.5	51 56.72	86.27	4	3.210	—19 19 14.6	86.27	4	19.18	O. A.
3868	8.5	52 04.39	86.43	3	3.207	—19 00 21.4	86.27	2	19.18	O. A.
3869	8.5	52 45.03	85.95	4	3.225	—21 30 17.2	85.95	4	19.20	O. A.
3870	9.2	53 36.66	86.43	3	3.208	—19 31 51.4	86.26	2	19.22	
3871	8.8	22 53 48.86	86.09	3	+3.209	—19 43 02.6	86.09	3	+19.22	
3872	9	54 22.00	86.22	2	3.212	—20 14 19.3	86.22	2	19.24	O. A.
3873	8.7	54 24.32	85.74	4	3.221	—21 25 50.1	85.74	4	19.24	
3874	9	54 27.40	86.07	3	3.214	—20 31 10.1	86.07	3	19.24	
3875	9.2	54 45.11	86.37	3	3.214	—20 37 40.0	86.23	2	19.25	
3876	7.5	22 54 47.26	85.77	3	+3.209	—19 57 49.1	85.77	3	+19.25	Lal., O. A., Lam.
3877	8.7	55 04.79	86.41	3	3.207	—19 48 17.9	86.41	3	19.25	Rüm.
3878	9	55 44.14	86.23	2	3.213	—20 49 41.5	86.23	2	19.27	
3879	8.7	55 59.99	86.27	2	3.200	—19 05 04.1	86.27	2	19.28	O. A.
3880	8.5	56 10.25	85.78	3	3.203	—19 33 43.4	86.17	5	19.28	
3881	7.7	22 56 30.33	86.27	2	+3.199	—19 09 33.4	86.27	2	+19.29	Lal., Bonn VI.
3882	6.2	56 35.70	85.74	5	3.216	—21 29 05.4	85.74	5	19.29	Lal., O. A. Proper motion.
3883	8.5	56 39.83	86.09	3	3.205	—20 00 00.0	86.09	3	19.29	O. A.
3884	8.7	57 14.50	85.97	4	3.209	—20 43 36.8	85.97	4	19.31	
3885	8.5	57 16.58	85.72	3	3.213	—21 13 19.7	85.72	3	19.31	O. A.
3886	8	22 57 17.44	85.77	3	+3.203	—19 55 48.3	85.77	3	+19.31	O. A.
3887	8.5	58 48.55	85.77	2	3.199	—19 42 42.0	85.78	3	19.34	O. A.
3888	9	59 14.97	85.72	3	3.209	—21 15 31.0	85.72	3	19.36	
3889	8	23 00 31.18	85.76	4	3.198	—20 04 43.2	85.76	4	19.38	
3890	8.8	00 46.32	85.76	3	3.211	—22 04 29.5	85.76	3	19.39	O. A.
3891	8.5	23 00 48.80	85.76	3	+3.200	—20 29 22.6	85.76	3	+19.39	
3892	8.5	01 56.40	85.78	4	3.193	—19 49 36.8	85.96	5	19.41	O. A.
3893	9	02 09.41	86.38	3	3.209	—22 13 44.1	86.38	3	19.42	
3894	8.2	02 37.79	86.11	3	3.189	—19 22 22.0	86.11	3	19.43	Lal., Bonn VI.
3895	8.7	02 41.40	85.78	2	3.191	—19 39 57.6	85.78	2	19.43	O. A.
3896	9	23 03 34.96	86.25	2	+3.189	—19 46 30.2	86.25	2	+19.45	
3897	8.5	03 59.20	85.79	2	3.186	—19 19 35.4	85.79	2	19.46	O. A.
3898	8.5	04 44.40	85.77	6	3.199	—21 38 27.8	85.77	6	19.47	O. A.
3899	9	04 46.86	85.78	3	3.186	—19 32 45.8	86.02	4	19.48	
3900	8.5	04 57.60	86.27	2	3.184	—19 16 18.4	86.27	2	19.48	O. A.

Number.....	Magnitudes.	Mean R. A. 1885.0	Epoch.....	No. of Obs..	Ann. Prec...	Mean Declination. 1885.0	Epoch.....	No. of Obs..	Ann. Prec...	Authorities.
		H. M. S.			s.	° ′ ″			″	
3901	9	23 05 29.33	85.78	4	+3.197	−21 37 36.5	85.78	4	+19.49	O. A.
3902	9	06 23.90	86.23	2	3.196	−21 44 11.4	86.09	3	19.51	
3903	8.7	06 34.02	86.27	2	3.181	−19 23 25.0	86.27	2	19.51	
3904	8	07 11.61	86.27	2	3.177	−18 59 37.2	86.27	2	19.53	Lal., O. A.
3905	9.2	08 01.70	86.25	2	3.181	−19 52 35.4	86.25	2	19.54	
3906	7.5	23 08 01.97	85.76	4	+3.184	−20 19 15.9	85.76	4	+19.54	Lam., Yar.
3907	8.2	08 27.25	85.79	2	3.178	−19 29 59.6	85.79	2	19.55	Lal., O. A., Yar.
3908	8	08 29.61	85.77	4	3.185	−20 38 41.6	85.95	5	19.55	
3909	9.2	09 06.57	86.22	2	3.184	−20 46 58.9	86.37	3	19.56	
3910	8.5	09 33.40	85.81	4	3.190	−21 57 12.3	85.99	5	19.57	O. A., Yar.
3911	9	23 09 54.10	86.38	3	+3.183	−20 55 02.1	86.38	3	+19.57	
3912	9.2	09 55.79	86.22	2	3.180	−20 21 38.3	86.22	2	19.57	
3913	8.2	10 30.11	85.95	6	3.187	−21 48 40.5	85.95	6	19.59	O. A., Lam., Yar.
3914	8.8	10 33.66	85.76	3	3.180	−20 35 19.7	85.76	3	19.59	
3915	7.5	10 54.41	85.78	3	3.173	−19 29 59.7	85.78	3	19.60	Lal., O. A., Yar.
3916	7.7	23 11 03.49	85.74	4	+3.183	−21 18 42.0	85.74	4	+19.60	Lal., Bonn VI.
3917	9	11 09.12	86.76	2	3.172	−19 23 56.1	86.76	2	19.60	O. A.
3918	9	11 38.44	86.27	2	3.171	−19 22 41.1	86.27	2	19.61	O. A.
3919	7	12 25.66	86.02	4	3.170	−19 28 10.6	86.02	4	19.62	Lal., O. A., Yar.
3920	8.5	13 24.25	86.27	2	3.166	−19 11 01.4	86.27	2	19.64	Lal., O. A., Yar.
3921	8.7	23 13 28.75	85.74	4	+3.178	−21 19 54.3	85.74	4	+19.64	O. A.
3922	9	14 12.53	85.99	4	3.177	−21 34 13.8	85.99	4	19.66	
3923	9.2	14 13.07	86.25	2	3.170	−20 11 42.6	86.25	2	19.66	
3924	8.5	14 22.69	85.77	4	3.172	−20 39 22.1	85.95	5	19.66	O. A., Yar.
3925	8.5	14 44.00	85.77	3	3.167	−19 51 52.4	85.77	3	19.67	
3926	7.8	23 14 52.36	85.78	3	+3.166	−19 37 04.3	85.78	3	+19.67	O. A., Lam.
3927	7.5	14 53.18	86.27	2	3.163	−19 10 22.2	86.27	2	19.67	Lal., O. A., Yar.
3928	8.7	15 15.22	85.76	2	3.174	−21 28 39.4	85.76	2	19.68	O. A.
3929	8.8	15 30.54	86.11	5	3.171	−20 55 29.6	86.11	5	19.68	
3930	8.8	16 17.48	86.51	4	3.167	−20 32 48.0	86.51	4	19.69	O. A.
3931	8.3	23 16 41.93	85.75	3	+3.165	−20 18 52.1	85.75	3	+19.70	
3932	8.8	16 53.97	86.11	3	3.174	−22 09 51.2	86.11	3	19.70	
3933	8.5	17 02.82	86.04	4	3.173	−21 56 40.2	86.04	4	19.70	O. A.
3934	7.7	17 42.03	85.78	4	3.160	−19 44 24.3	85.78	4	19.71	Lal., O. A.
3935	8.2	18 24.03	85.76	3	3.168	−21 40 00.8	85.76	3	19.72	
3936	9.2	23 18 32.28	86.26	4	+3.160	−19 57 22.7	86.26	4	+19.73	
3937	8.5	18 34.03	85.79	5	3.165	−21 01 15.6	85.79	5	19.73	
3938	8	18 43.69	86.11	3	3.169	−22 04 28.1	86.11	3	19.73	Lal., O. A.
3939	9	18 48.58	85.96	5	3.164	−20 54 46.3	85.96	5	19.73	
3940	9	18 55.48	86.40	3	3.166	−21 29 47.4	86.40	3	19.73	
3941	8.3	23 19 50.10	85.81	4	+3.163	−21 14 34.2	86.18	5	+19.74	
3942	8.5	20 06.10	85.80	4	3.157	−20 00 20.2	85.80	4	19.75	O. A.
3943	8.2	20 27.90	85.76	3	3.164	−21 49 21.8	85.76	3	19.76	Bonn VI.
3944	9.5	21 41.52	86.30	2	3.156	−20 31 12.3	86.30	2	19.77	
3945	9	21 49.63	86.25	2	3.152	−19 41 16.2	86.25	2	19.77	
3946	9	23 21 51.97	86.09	3	+3.153	−20 01 00.8	86.09	3	+19.78	
3947	8.7	21 53.14	85.81	3	3.154	−20 20 44.0	85.80	4	19.78	
3948	9	22 25.44	86.07	4	3.155	−20 47 10.2	86.07	4	19.78	O. A.
3949	9	22 26.72	86.25	2	3.156	−21 05 58.7	86.44	3	19.78	O. A.
3950	8.7	22 37.91	85.80	2	3.160	−22 06 06.5	85.80	2	19.79	

Number.....	Magnitudes.	Mean R. A. 1885.0	Epoch.....	No. of Obs.	Ann. Prec...	Mean Declination. 1885.0	Epoch.....	No. of Obs.	Ann. Prec...	Authorities.
		H. M. S.			s.	° ′ ″			″	
3951	8.8	23 22 46.99	86.09	3	+3.151	—20 00 56.8	86.09	3	+19.79	
3952	8.8	23 44.88	85.82	3	3.153	—20 56 08.1	85.82	3	19.80	O. A.
3953	8.5	23 45.21	86.27	2	3.145	—19 08 57.2	86.27	2	19.80	
3954	8.3	23 52.32	85.81	4	3.154	—21 12 35.3	86.00	5	19.81	O. A.
3955	8.8	24 03.67	85.84	3	3.152	—20 48 19.1	85.84	3	19.81	O. A.
3956	9	23 24 10.84	86.41	3	+3.156	—21 47 25.6	86.41	3	+19.81	
3957	8.5	24 36.22	86.11	3	3.144	—19 19 47.7	86.11	3	19.82	
3958	8.7	25 00.40	85.80	4	3.147	—20 07 27.5	85.80	4	19.82	O. A. [Yar.
3959	7.2	25 47.03	85.78	4	3.152	—21 53 00.2	85.78	4	19.83	Lal., O. A., Lam., Cape, Brux.,
3960	8.5	26 22.20	85.78	3	3.142	—19 41 03.4	86.02	4	19.84	O. A.
3961	8.7	23 26 48.95	86.29	2	+3.152	—22 19 22.4	86.29	2	+19.84	
3962	8.7	26 58.06	86.12	3	3.144	—20 20 36.3	86.12	3	19.85	
3963	8	27 04.61	85.84	4	3.145	—20 43 19.5	85.84	4	19.85	O. A., Lam., Yar.
3964	9.2	27 05.54	86.27	2	3.141	—19 38 15.8	86.27	2	19.85	
3965	8.2	27 30.41	85.78	4	3.140	—19 46 47.9	85.78	4	19.85	O. A.
3966	9	23 27 36.74	86.47	3	+3.144	—20 45 10.6	86.47	3	+19.85	O. A.
3967	9	28 37.32	86.07	4	3.142	—20 48 19.8	86.07	4	19.87	O. A.
3968	8.2	29 12.10	86.27	2	3.135	—19 12 24.3	86.27	2	19.87	Lal., O. A., Lam.
3969	9.2	29 53.59	86.47	3	3.139	—20 41 04.0	86.47	3	19.88	
3970	8.8	29 54.35	85.78	3	3.135	—19 34 54.6	86.02	4	19.88	O. A.
3971	9	23 29 56.39	86.45	3	+3.144	—22 16 47.8	86.45	3	+19.88	O. A.
3972	9	31 02.17	86.29	2	3.142	—22 18 48.9	86.29	2	19.89	O. A.
3973	9	31 39.35	86.25	2	3.136	—21 08 27.0	86.25	2	19.90	O. A.
3974	9.5	31 49.72	86.44	3	3.133	—20 15 15.4	86.44	3	19.90	
3975	8.7	32 28.12	86.29	2	3.138	—22 18 35.2	86.29	2	19.91	O. A.
3976	7.5	23 32 41.74	85.79	4	+3.135	—21 30 15.2	85.79	4	+19.91	O. A., Lam.
3977	9.2	33 29.40	86.25	2	3.132	—21 11 49.4	86.25	2	19.92	
3978	8.5	33 30.69	85.78	2	3.128	—19 42 42.8	85.78	2	19.92	O. A.
3979	9.2	33 58.68	86.28	2	3.126	—19 28 22.2	86.27	2	19.93	
3980	8.8	34 16.68	85.77	3	3.126	—19 49 31.9	85.77	3	19.93	
3981	7.5	23 34 36.69	86.02	4	+3.125	—19 37 26.6	86.02	4	+19.93	Lal., O. A., Brux. Proper motion.
3982	9	35 19.85	86.11	3	3.128	—21 06 00.5	86.25	2	19.94	O. A.
3983	9	35 25.05	86.15	3	3.127	—20 43 01.3	86.15	3	19.94	Bonn VI.
3984	9.2	35 36.73	86.25	2	3.123	—19 34 44.6	86.50	4	19.94	
3985	8.5	35 46.85	85.83	5	3.126	—20 48 27.9	85.83	5	19.94	O. A., Bonn VI.
3986	7.7	23 35 46.98	85.80	4	+3.125	—20 23 40.8	85.80	4	+19.94	O. A., Yar.
3987	8.5	35 57.69	85.80	3	3.123	—20 01 59.5	85.80	3	19.94	
3988	8.3	37 19.75	85.78	3	3.125	—21 43 41.5	85.78	3	19.96	O. A.
3989	8.7	37 25.17	86.29	2	3.126	—22 20 43.1	86.29	2	19.96	O. A.
3990	8.7	37 47.62	86.07	4	3.122	—20 54 46.8	86.07	4	19.96	
3991	9	23 38 36.72	86.43	3	+3.116	—19 25 20.7	86.43	3	+19.97	O. A.
3992	9	38 46.76	86.06	4	3.119	—20 33 15.2	86.06	4	19.97	
3993	9	40 42.03	86.43	3	3.112	—19 23 35.9	86.76	2	19.98	O. A.
3994	8.8	40 59.04	85.81	3	3.114	—20 23 57.2	85.81	3	19.98	
3995	8.7	41 10.07	85.77	3	3.112	—19 59 37.7	86.01	4	19.98	O. A.
3996	8.2	23 41 10.16	85.78	4	+3.112	—19 48 29.4	85.78	4	+19.98	O. A.
3997	9	41 12.15	86.29	2	3.117	—22 08 57.8	86.29	2	19.98	O. A.
3998	7.7	42 33.68	85.78	3	3.108	—19 31 21.1	86.02	4	19.99	Lal., O. A., Bonn VI,. Lam., Brux.
3999	9.2	43 03.81	85.78	2	3.109	—20 22 42.5	85.78	2	20.00	
4000	8.8	43 10.56	86.09	3	3.111	—21 39 37.7	86.09	3	20.00	Bonn VI.

Number.....	Magnitudes.	Mean R. A. 1885.0	Epoch.....	No. of Obs..	Ann. Prec...	Mean Declination. 1885.0	Epoch.....	No. of Obs..	Ann. Prec...	Authorities.
		H. M. S.			s.	° ′ ″			″	
4001	9	23 43 29.41	85.79	4	+3.110	—21 04 56.8	85.79	4	+20.00	
4002	8.5	44 18.93	85.79	4	3.108	—21 31 13.3	85.78	3	20.01	O. A. [Brux.
4003	7.5	44 37.22	85.83	4	3.107	—20 52 17.5	85.83	4	20.01	Lal., Bonn VI., Cape, Yar.,
4004	8.3	45 12.94	85.78	3	3.103	—19 41 22.3	85.78	3	20.01	Lal., Bonn VI. [Cape, Yar.
4005	6.5	45 24.90	85.78	3	3.103	—19 32 53.4	86.02	4	20.01	Lal., O. A., Bonn VI., Lam.,
4006	8.2	23 45 36.31	85.76	2	+3.105	—21 25 15.5	85.76	2	+20.01	O. A.
4007	8.5	45 58.81	85.79	2	3.101	—19 17 59.7	85.79	2	20.02	Lal., O. A.
4008	8.7	47 00.03	85.82	2	3.103	—22 07 12.6	85.82	2	20 02	O. A.
4009	9.5	47 39.68	85.83	2	3.100	—20 51 46.1	85.83	2	20.03	
4010	7.2	47 42.60	85.79	4	3.100	—21 09 23.4	85.79	4	20.03	Lal., O. A.
4011	8	23 47 50.14	86.27	2	+3.097	—19 00 14.8	86.27	2	+20.03	Lal., O. A.
4012	8.5	48 59.12	85.97	5	3.095	—19 46 08.7	85.97	5	20.03	
4013	9	49 02.26	86.74	2	3.096	—19 55 36.4	86.42	3	20.03	
4014	8	49 02.93	85.84	3	3.096	—20 41 02.9	85.84	3	20.03	
4015	7.2	49 14.80	85.82	2	3.098	—22 01 08.6	85.82	2	20.03	Lal., Bonn VI., Lam.
4016	7.5	23 49 39.69	85.79	4	+3.096	—21 35 37.0	85.79	4	+20.04	Lal., Bonn VI.
4017	9	50 03.19	86.12	3	3.095	—21 06 19.6	86.12	3	20.04	
4018	9	50 38.53	86.46	3	3.093	—20 26 01.8	86.55	4	20.04	
4019	9	50 38.67	85.83	2	3.093	—20 49 10.6	85.83	2	20.04	
4020	9	50 48.40	86.81	2	3.092	—20 21 05.0	86.55	4	20.04	
4021	6.5	23 51 15.50	85.79	4	+3.092	—21 28 22.9	85.79	4	+20.04	Lal., Bonn VI., Arm. 2.
4022	8.2	51 34.30	86.29	2	3.092	—22 17 12.2	86.29	2	20.04	O. A.
4023	8.5	52 27.13	85.82	3	3.089	—20 57 25.4	85.82	3	20.04	O. A.
4024	9	52 48.10	86.30	2	3.088	—20 39 57.0	86.81	3	20.04	Yar.
4025	8	52 56.52	85.80	4	3.088	—20 17 33.3	85.80	4	20.04	
4026	8.5	23 53 11.77	85.80	4	+3.088	—21 15 59.1	85.80	4	+20.04	
4027	8.5	53 16.74	86.27	2	3.086	—19 10 49.1	86.27	2	20.04	
4028	9.2	53 29.84	86.52	4	3.087	—21 35 10.2	86.52	4	20.04	[tion.
4029	7.5	53 30.04	85.84	3	3.087	—20 39 57.3	85.84	3	20.04	O. A., Yar., Brux. Proper mo-
4030	8.7	53 39.86	86.42	3	3.086	—20 10 12.0	86.42	3	20.04	
4031	8.5	23 53 56.00	86.27	2	+3.085	—19 08 51.3	86.27	2	+20.05	
4032	9	54 01.77	86.41	3	3.086	—21 38 47.3	86.51	4	20.05	
4033	9	54 02.65	86.15	3	3.085	—20 40 33.0	86.15	3	20.05	O. A.
4034	9	54 05.57	86.09	3	3.085	—20 08 19.0	86.09	3	20.05	
4035	9	54 09.20	86.47	3	3.086	—21 33 09.9	86.55	4	20.05	
4036	8	23 54 16.09	85.77	3	+3.085	—20 03 16.4	85.77	3	+20.05	O. A.
4037	8.5	55 15.80	85.80	4	3.083	—21 20 46.9	85.80	4	20.05	O. A., Lam.
4038	9	55 20.24	86.29	2	3.083	—22 02 40.0	86.29	2	20.05	
4039	9	55 20.45	85.78	2	3.082	—19 38 49.0	86.09	3	20.05	O. A.
4040	9	55 40.98	86.42	3	3.081	—19 46 55.2	86.42	3	20.05	
4041	9	23 56 15.82	86.25	2	+3.081	—21 30 45.6	86.25	2	+20.05	O. A.
4042	9.2	56 45.92	86.27	2	3.079	—20 05 01.7	86.76	2	20.05	O. A.
4043	9.2	56 48.69	86.27	2	3.079	—20 02 22.4	86.27	2	20.05	
4044	7	57 03.22	85.84	3	3.079	—20 41 18.8	85.84	3	20.05	Lal., O. A., Yar., Brux.
4045	9	58 25.65	86.25	2	3.076	—21 12 27.0	86.25	2	20.05	
4046	9	23 58 43.25	86.09	3	+3.075	—20 04 39.3	86.09	3	+20.05	O. A.
4047	9	59 00.21	85.80	4	3.075	—20 03 09.4	85.80	4	20.05	O. A.
4048	9	59 14.79	86.33	2	3.074	—21 15 12.8	86.33	2	20.05	
4049	8.2	59 27.70	85.82	2	3.074	—21 57 20.7	85.82	2	20.05	
4050	9.2	59 53.59	86.30	2	3.073	—20 18 16.5	86.30	2	20.05	

NOTES.

No.

15. O. Argelander decl. +10′.
28. Lalande decl. —1′.
43. O. Argelander R. A. +10s.
73. O. Argelander decl. +1′.
112. Lalande decl. —1′.
122. Lalande decl. +1°.
171. Lalande decl. +1′.
181. O. Argelander decl. —1′.
194. Lalande decl. +1′.
228. Lalande decl. +5′; O. Argelander decl. +1′.
240. Lalande R. A. —20s.
263. Lalande decl. +2°.
348. O. Argelander decl. —1′.
349. Lalande decl. —1′.
355. O. Argelander decl. +2′.
378. Double star; preceding observed.
393. Bonn VI. R. A. —6s.
412. Bonn VI. decl. —1′.
429. Lalande R. A. —28s.97. Star observed on wires II. and III. instead of I. and II.
480. O. Argelander decl. +10′.
548. O. Argelander decl. —10′.
577. Lalande R. A. +29s.03. Star observed on wires I. and II. instead of II. and III.
637. Bonn VI. decl. —1′.
827. Lalande decl. +5′.
853. Bonn VI. decl. +1°.
855. Lalande decl. —1′.
906. Lalande decl. —1′.
942. O. Argelander decl. +1′.
1005. Bonn VI. decl. —1′.
1110. O. Argelander decl. +1′.
1152. Lalande R. A. +5s.
1175. Lalande decl. —5′.
1178. Lalande decl. +10′.
1272. Lalande decl. —2′.

No.

1292. Yarnall has a star —6s in R. A., but according to a letter from Professor Frisby this R. A. belongs to a star in decl. —30° 24′.
1310. Lalande has a star —7s in R. A., +42″ in decl.
1311. Lalande has a star +3s in R. A.
1350. Lalande R. A. —29s.1 as given in Baily. The original is correct.
1368. O. Argelander's R. A. 3s too large.
1466. O. Argelander's decl. —1′.
1484. Bonn VI. R. A. +1m.
1564. Lalande R. A. —28s.75. Star observed on wires II. and III. instead of I. and II.
1605. Lalande decl. +10′.
1777. Lalande decl. +5′.
1875. Lalande R. A. —1m.
1903. O. Argelander decl. —1′.
2111. Lalande decl. —5′.
2147. Lalande decl. +7′.
2165. Lalande R. A. +10s.
2182. O. Argelander decl. +1′.
2205. O. Argelander R. A. +10s.
2277. Lalande R. A. 4s too small.
2290. Lalande decl. —5′. Bonn VI. decl. +1°.
2339. Lalande R. A. —29s.43. Star observed on wire III. instead of II.
2367. Lalande R. A. —29s.10. Star observed on wires II. and III. instead of I. and II.
2487. Lalande R. A. +10s.
2518. Greenwich '40 decl. —1′.
2533. O. Argelander decl. —2′.
2620. O. Argelander decl. +1′.
2684. O. Argelander decl. —10′.
2685. Double; following observed.
2709. Lalande decl. —1′.
2712. Lalande decl. —3′.
2756. Lalande decl. +5′.

No.
2775. Lalande decl. +10′.
2787. Double; mean observed.
2861. Lamont decl. +10′.
2926. Lalande decl. +5′.
3009. O. Argelander decl. —1′.
3050. Lalande decl. —1°.
3054. Lamont decl. +10′.
3075. Lamont decl. —10′.
3162. Lamont R. A. —15s.

No.
3171. Lalande decl. +5′.
3234. O. Argelander decl. —10′.
3280. Lamont R. A. —10s.
3296. O. Argelander decl. +10′.
3341. Lalande R. A. +28s.81. Star observed on wires I. and II. instead of II. and III.
3506. Lamont decl. —10′.
3532. Lamont R. A. —10s.
3538. Lamont decl. +1′.

PROPER MOTIONS.

IN computing the proper motions, no systematic corrections have been applied, but Lalande's positions have been reduced by Von Asten's tables. The method of least squares was used for deducing the results. For the most part, only those stars are given for which the data are sufficient to render the proper motions tolerably trustworthy.

	Epoch of Obs.	R. A. 1885.0	P. M. applied.	Epoch of Obs.	Decl. 1885.0	P. M. applied.
No. 23. Mag. 7.		H. M. S.	S.		° ′ ″	″
Lal.	1798.93	0 08 31.48	.....	1798.93	—21 49 22.7	45.2
O. A.	1849.88	31.21	.....	1849.88	35.2	44.3
Cin.	1885.78	31.03	.....	1885.78	45.5	45.3
		P. M. small.			P. M. —0″.261	
	O. A. requires a correction of +1s. in R. A. See original observation.					
No. 110. Mag. 7.5.						
Lal.	1798.93	0 46 32.97	.....	1798.93	—21 43 38.3	56.8
O. A.	1849.89	33.04	.....	1849.89	50.6	58.1
Cin.	1885.80	32.96	.....	1885.80	56.8	56.6
		P. M. small.			P. M. —0″.215	
No. 112. Mag. 8.						
Lal.	1798.93	0 46 49.14	50.42	1798.93	—21 37 04.8	.....
O. A.	1849.89	49.95	50.47	1849.89	03.4	.....
Cin.	1885.81	50.43	50.42	1885.81	08.1	.....
		P. M. +0s.0149			P. M. doubtful.	
	Lal. requires a correction of —1′ in decl.					
No. 130. Mag. 8.						
Lal.	1798.93	0 54 46.41	47.22	1798.93	—20 00 18.5	.....
Bonn VI.	1852.79	46.80	47.10	1852.79	26.1	.....
Cin.	1885.85	47.25	47.24	1885.85	24.6	.....
		P. M. +0s.0094			P. M. doubtful.	
No. 233. Mag. 8.						
Lal.	1798.93	1 38 54.88	.....	1798.93	—21 09 28.4	51.0
O. A.	1850.91	54.50	.....	1850.91	40.6	49.6
Cin.	1885.84	54.45	.....	1885.84	51.5	51.3
		P. M. small.			P. M. —0″.263	
No. 351. Mag. 7.5.						
Lal.	1798.93	2 34 24.16	.....	1798.93	—20 54 46.4	64.4
O. A.	1850.91	23.97	.....	1850.91	56.2	63.3
Cin.	1885.88	23.63	.....	1886.22	64.8	64.5
		P. M. small.			P. M. —0″.209	

	Epoch of Obs.	R. A. 1885.0	P. M. applied.	Epoch of Obs.	Decl. 1885.0	P. M. applied.
No. 412. Mag. 7.5.		H. M. S.	S.		° ′ ″	″
Lal.	1798 93	2 58 33.59	35.25	1798.93	−21 48 30.3	.....
Green. '45	1846.00	34.70	35.45	1845.00	38.0	.....
Green. '50	1850.60	34.81	35.48	1848.00	39.1	.....
Bonn VI.	1853.08	34.69	35.31	1853.08	38.2	.....
Tac.	1868.95	34.92	35.23	1868.95	41.8	.....
Cin.	1885.30	35.29	35.28	1885.30	39.7	.....
		P. M. +0s.0193			P. M. small.	
No. 465. Mag. 8.						
Lal.	1799.88	3 22 35.24	38.35	1799.88	−20 12 73.2	54.0
Bonn VI.	1853.07	37.10	38.27	1853.07	[54.2]	.....
Tac.	1869.02	37.66	38.25	1869.02	57.0	53.4
Cin.	1885.97	38.45	38.41	1885.97	54.0	54.2
		P. M. +0s.0366			P. M. +0″.226	
		Bonn VI. decl. perhaps 10″ wrong.				
No. 506. Mag. 7.						
Lal.	1799.88	3 38 42.13	43.79	1799.88	−19 28 63.0	48.7
O. A.	1850.92	43.02	43.68	1850.92	53.5	47.8
Arm. 2	1871.96	43.60	43.85	1865.95	53.0	49.8
Cin.	1886.20	43.77	43.75	1886.20	47.6	47.8
		P. M. +0s.0195			P. M. +0″.168	
		O. A. requires a correction of +10″ in decl. See original observation.				
No. 626. Mag. 8.2.						
Lal.	1799.88	4 19 05.49	.....	1799.88	−20 22 42.4	55.2
Bonn VI.	1853.07	05.14	.....	1853.07	48.9	53.7
Cin.	1885.98	05.41	.....	1886.18	55.6	55.4
		P. M. doubtful.			P. M. −0″.150	
No. 742. Mag. 6.8.						
Lal.	1799.88	5 02 08.90	.....	1799.88	−19 33 31.7	16.2
Bonn VI.	1852.88	09.63	.....	1852.88	22.6	16.8
Cin.	1886.08	09.42	.....	1886.08	15.9	16.1
		P. M. doubtful.			P. M. +0″.182	
No. 744. Mag. 8.7.						
Lal.	1799.88	5 03 12.74	.....	1799.88	−21 36 56.5	70.4
Bonn VI.	1852.91	12.95	.....	1852.91	64.0	69.4
Cin.	1885.67	13.11	.....	1885.67	70.7	70.6
		P. M. small.			P. M. −0″.163	
No. 997. Mag. 9.						
Lal.	1798.17	6 16 41.68	.....	1798.17	−22 08 50.1	74.7
O. A.	1851.15	42.03	.....	1851.15	66.4	76.0
Tac.	1867.12	41.87	.....	1867.12	67.7	72.8
Cin.	1886.12	42.00	.....	1886.37	75.9	75.5
		P. M. small.			P. M. −0″.283	
No. 1567. Mag. 6.						
Lal.	1797.22	8 34 07.29	06.00	1797.22	−22 16 51.8	17.7
O. A.	1852.18	06.42	05.94	1851.65	29.2	16.4
Cin.	1886.16	05.99	06.01	1886.16	17.5	17.9
		P. M. −0s.0147			P. M. +0″.388	

	Epoch of Obs.	R. A. 1885.0	P. M. applied.	Epoch of Obs.	Decl. 1885.0	P. M. applied.
No. 1709. Mag. 5.5.		H. M. S.	S.		° ′ ″	″
Lal.	1797.22	9 22 01.20	02.71	1797.22	—21 50 09.7	22.8
Bonn VI.	1854.05	02.08	02.61	1854.05	20.1	24.7
Bonn VI.	1867.16	02.45	02.76	1867.16	21.9	24.6
Brux.	1875.22	02.50	02.67	1873.72	21.7	23.2
Cin.	1886.16	02.73	02.71	1886.16	22.1	22.0
		P. M. +0s.0172			P. M. —0″.149	
	Compare with Argelander's determination in Bonn VII.					
No. 1737. Mag. 8.8.						
Lal.	1797.21	9 29 22.46	.....	1797.21	—20 34 50.3	66.7
O. A.	1851.64	22.59	.....	1851.64	60.2	66.4
Cin.	1885.99	[23.14	.....	1886.22	66.9	66.7
		P. M. small.			P. M. —0″.186	
No. 1843. Mag. 7.2.						
Lal.	1797.21	[10 02 56.08	55.09	1797.21	—19 10 25.4	57.0
O. A.	1850.16	[55.30	54.91	1850.16	45.6	58.2
Cin.	1886.22	[55.10	55.11	1886.22	57.3	56.9
		P. M. —0s.0113			P. M. —0″.360	
No. 1848. Mag. 8.5.						
Lal.	1797.21	10 04 21.96	.....	1797.21	—21 06 57.8	38.7
Bonn VI.	1854.18	21.63	.....	1854.18	45.7	39.0
Bonn VI.	1867.17	21.54	.....	1867.17	43.0	39.1
Tac.	1868.31	21.40	.....	1868.31	42.5	38.9
Cin.	1886.20	21.46	.....	1886.20	37.4	37.7
		P. M. small.			P. M. +0″.218	
No. 1895. Mag. 8.5.						
Lal.	1797.21	10 22 30.35	28.28	1797.21	—21 06 50.9	.....
O. A.	1850.18	28.86	28.04	1850.18	57.9	.....
Tac.	1868.26	28.83	28.43	1868.26	56.2	.....
Cin.	1885.55	28.18	28.19	1885.55	56.3	.....
		P. M. —0s.0236			P. M. doubtful.	
No. 1959. Mag. 7.7.						
O. A.	1850.66	10 46 07.83	06.99	1850.66	—21 27 46.2	.....
Bonn VI.	1852.20	07.54	06.74	1852.20	46.1	.....
Cin.	1885.52	06.86	06.87	1885.52	47.1	.....
		P. M. —0s.0245			P. M. small.	
	This star is given twice in Oeltzen. The second position is the mean of four observations by Schmidt, month and day not given.					
No. 1961. Mag. 7.5.						
Lal.	1797.21	10 47 30.33	29.21	1797.21	—20 00 07.8	31.6
O. A.	1851.13	30.21	29.78	1851.13	19.7	28.9
Tac.	1868.30	29.51	29.30	1868.30	26.6	31.2
Brux.	1873.30	29.47	29.32	1871.02	28.9	32.7
Rad. '82-3	1882.75	29.31	29.28	1882.75	31.1	31.7
Cin.	1885.27	29.24	29.24	1885.27	30.3	30.2
		P. M. —0s.0128			P. M. —0″.271	

	Epoch of Obs.	R. A. 1885.0	P. M. applied.	Epoch of Obs.	Decl. 1885.0	P. M. applied.
No. 2141. Mag. 8.		H. M. S.	S.		° ′ ″	″
Lal.	1796.32	11 58 20.24	18.69	1796.32	—21 43 46.2	.....
O. A.	1851.19	19.25	18.66	1851.19	46.7	.....
Tac.	1867.82	18.94	18.64	1867.82	49.1	.....
Cin.	1885.47	18.70	18.71	1885.47	47.2	.....
		P. M. —0s.0175			P. M. small.	
No. 2217. Mag. 7.5.						
Lal.	1796.32	12 25 53.09	.....	1796.32	—20 20 61.5	49.5
O. A.	1851.30	52.91	.....	1851.30	52.8	48.3
Tac.	1869.36	52.75	.....	1869.36	53.2	51.1
Cin.	1885.55	52.75	.....	1885.91	48.6	48.7
		P. M. small.			P. M. +0.″135	
No. 2227. Mag. 8.2.						
Lal.	1796.31	12 29 51.10	49.82	1796.31	—19 49 49.3	.....
Bonn VI.	1851.30	50.35	49.86	1851.30	49.9	.....
Cin.	1885.32	49.81	49.81	1885.32	51.3	.....
		P. M. —0s.0144			P. M. small.	
Lalande has two observations of this star which differ by about 1s in R. A. The larger value was corrected —1s and the mean then taken.						
No. 2242. Mag. 6.5.						
Lal.	1796.31	12 35 49.25	48.27	1796.31	—19 07 39.5	.....
Bonn VI.	1853.32	48.60	48.25	1853.32	40.3	.....
Tac.	1869.36	48.46	48.29	1869.36	44.0	.....
Rad. '83.	1883.33	48.30	48.28	1883.33	41.0	.....
Cin.	1886.29	48.23	48.24	1886.29	40.3	.....
		P. M. —0s.0111			P. M. small.	
No. 2311. Mag. 7.5.						
Lal.	1796.32	13 03 29.13	30.17	1796.32	—21 33 33.6	66.7
Bonn VI.	1853.28	29.80	30.17	1853.32	54.3	66.1
Bonn VI.	1867.32	29.96	30.17	1867.32	58.0	64.6
Brux.	1871.87	29.97	30.12	1870.98	62.4	67.6
Cin.	1885.66	30.20	30.19	1885.66	67.3	67.1
		P. M. +0s.0117			P. M. —0″.373	
Compare with Argelander's determination in Bonn VII.						
No. 2320. Mag. 6.5.						
Lal.	1796.32	13 08 02.23	01.62	1796.32	—19 19 47.1	34.2
Cape.	1852.31	01.90	01.68	1843.24	41.6	35.6
O. A.	1851.37	02.21	01.98	1851.37	39.1	34.2
Brux.	1863.37	01.89	01.74	1867.36	38.8	36.2
Rad. '83.	1883.36	01.66	01.65	1883.36	35.1	34.9
Cin.	1885.98	01.61	01.62	1885.98	33.1	33.2
		P. M. —0s.0069			P. M. +0″.145	
No. 2323. May 6.5.						
Brad.	1755.00	13 09 42.76	45.66	1755.00	—19 19 35.8	50.5
Lal.	1796.31	43.65	45.63	1796.31	42.3	52.4
Abo.	1830.00	44.49	45.72	1830.00	45.1	51.3
O. A.	1851.38	44.68	45.43	1851.38	46.9	50.7
Brux.	1854.84	45.07	45.74	1860.85	50.5	53.2
Yar.	1857.40	45.27	45.88	1868.40	50.3	52.2
Rad. '83.	1883.34	45.58	45.62	1883.34	49.7	49.9
Cin.	1885.98	45.69	45.67	1885.98	51.0	50.9
		P. M. +0s.0223			P. M. —0″.113	

	Epoch of Obs.	R. A. 1885.0	P. M. applied.	Epoch of Obs.	Decl. 1885.0	P. M. applied.
No. 2386. Mag. 8.5.		h. m. s.	s.		° ′ ″	″
Lal.	1796.32	13 37 01.21	.....	1796.32	−21 47 06.5	16.6
Bonn VI.	1853.33	01.21	.....	1853.33	13.1	16.7
Cin.	1885.67	01.37	.....	1885.67	16.7	16.6
		P. M. small.			P. M. −0″.114	
No. 2446. Mag. 8.						
Lal.	1797.24	14 07 38.96	37.75	1797.24	−19 40 05.1	.....
O. A.	1851.37	38.45	37.99	1851.37	07.2	.....
Tac.	1869.38	37.79	37.58	1869.38	04.0	.....
Cin.	1885.39	37.84	37.85	1885.39	06.4	.....
		P. M. −0s.0138			P. M. small.	
No. 2546. Mag. 7.8.						
Lal.	1798.43	14 50 50.48	.....	1798.43	−21 40 57.5	71.0
O. A.	1850.38	50.28	.....	1850.38	65.2	70.6
Bonn VI.	1853.34	50.41	.....	1853.34	64.0	68.9
Tac.	1867.44	50.08	.....	1867.44	69.6	72.3
Yar.	1867.40	50.06	.....	1868.50	69.2	71.8
Cin.	1885.64	50.04	.....	1885.64	70.1	70.0
		P. M. small.			P. M. −0″.156	
No. 2586. Mag. 8.8.						
Lal.	1798.39	15 09 08.69	09.95	1798.39	−20 30 32.0	41.5
O. A.	1849.41	09.72	10.24	1849.41	37.1	41.0
Yar.	1867.40	09.75	10.01	1869.50	40.0	41.9
Cin.	1886.04	09.95	09.94	1886.04	41.5	41.4
		P. M. +0s.0146			P. M. −0″.110	
No. 2629. Mag. 8.						
Lal.	1798.39	15 29 25.80	.....	1798.39	−21 21 25.9	35.6
O. A.	1849.41	25.67	.....	1849.41	30.8	34.8
Cin.	1885.96	26.01	.....	1885.96	35.8	35.7
		P. M. doubtful.			P. M. −0″.112	
No. 2634. Mag. 7.						
Lal.	1798.39	15 31 50.40	49.18	1798.39	−19 31 38.1	53.4
O. A.	1851.42	49.73	49.26	1851.42	49 0	54.9
Cin.	1886.15	49.15	49.17	1886.22	53.3	53.1
		P. M. −0s.0141			P. M. −0″.176	
No. 2653. Mag. 8.						
Lal.	1798.39	15 40 41.15	40.50	1798.39	−20 06 18.3	27.9
Bonn VI.	1853 32	40.78	40.54	1853.32	23.9	27.4
Wash. '74	1874.40	40.55	40.47	1874.40	25.8	27.0
Cin.	1886.19	40.51	40.52	1886.19	28.7	28.6
		P. M. −0s.0075			P. M. −0″.111	
No. 2674. Mag. 8.5.						
Lal.	1798.39	15 49 20.42	.....	1798.39	−21 11 01.4	12.6
Bonn VI.	1853.32	19.88	.....	1853.32	08.0	12.1
Cin.	1886.74	20.18	.....	1886.90	12.9	12.7
		P. M. doubtful.			P. M. −0″.129	
No. 2692. Mag. 8.8.						
Lal.	1798.43	15 57 20.16	18.72	1798.43	−21 36 00.5	17.6
O. A.	1849.44	19.33	18.74	1849.44	10.0	17.0
Cin.	1885.93	18.71	18.73	1885.93	17.8	17.6
		P. M. −0s.0166			P. M. −0″.197	

	Epoch of Obs.	R. A. 1885.0	P. M. applied.	Epoch of Obs.	Decl. 1885.0	P. M. applied.
No. 2701. Mag. 8.2.		H. M. S.	S.		° ′ ″	″
Lal.	1798.39	16 00 41.22	.....	1798.39	—20 37 42.3	52.5
O A.	1850.42	41.61	.....	1850.42	48.1	52.2
Bonn VI.	1865.40	41.43	.....	1865.40	50.0	52.3
Yar.	1867.40	41.62	.....	1867.90	51.2	53.2
Cin.	1886.02	41.52	.....	1886.50	52.5	52.3
		P. M. small.			P. M. — 0″.118	
No. 2704. Mag. 8.5.						
Lal.	1798.39	16 01 50.99	.....	1798.39	—20 26 53.1	61.1
O. A.	1850.43	51.22	.....	1850.43	57.9	61.1
Tac.	1868.51	51.00	.....	1868.51	59.0	60.5
Cin.	1885.97	51.08	.....	1885.97	61.5	61.4
		P. M. small.			P. M. —0″.092	
No. 2733. Mag. 9.						
Lal.	1798.39	16 14 26.91	26.09	1798.39	—19 39 23.3	41.3
O. A.	1849.95	26.49	26.16	1849.95	30.9	38.2
Cin.	1886.95	26.06	26.08	1886.95	42.1	41.7
		P. M. —0s.0095			P. M. —0″.208	
No. 2740. Mag. 7.8.						
O. A.	1850.75	16 20 25.82	25.14	1850.75	—21 51 10.4	23.3
Bonn VI.	1852.48	25.74	25.10	1852.48	10.4	22.5
Tac.	1868.53	25.16	24.83	1868.53	16.9	23.1
Cin.	1885.77	25.16	25.18	1885.77	23.1	22.8
		P. M. —0s.0198			P. M. —0″.373	
No. 2762. Mag. 8.7.						
Lal.	1798.39	16 41 24.50	.....	1798.39	—20 44 08.6	21.9
O. A.	1849.94	24.10	.....	1849.94	13.7	19.1
Cin.	1885.75	24.28	.....	1885.75	22.3	22.2
		P. M. doubtful.			P. M. —0″.153.	
No. 2764. Mag. 8.2.						
Lal.	1798.39	16 41 49.86	49.07	1798.39	—19 03 47.1	76.3
O. A.	1850.41	49.26	48.94	1850.41	61.3	73.0
Tac.	1868.51	49.06	48.90	1868.51	70.1	75.7
Cin.	1886.47	49.10	49.09	1886.47	77.2	76.7
		P. M. —0s.0094			P. M. —0″.338	
No. 2793. Mag. 7.5.						
Lal.	1798.39	16 53 38.87	.....	1798.39	—21 16 57.0	66.7
O. A.	1850.83	38.59	.....	1850.83	62.7	66 5
Tac.	1867.54	38.49	....	1867.54	65.2	67.2
Cin.	1885.49	38.48	.....	1885.49	66.6	66.5
		P. M. small.			P. M. —0″.112	
No. 2797. Mag. 8.						
Lal.	1798.39	16 56 33.46	.....	1798.39	—19 19 18.3	30.8
O. A.	1850.96	33.84	.....	1850.96	25.7	30.6
Yar.	1864.50	33.89	.....	1867.00	30.7	33.3
Cin.	1886.44	33.93	.....	1886.44	29.9	29.7
		P. M. small.			P. M. —0″.144	

	Epoch of Obs.	R. A. 1885.0	P. M. applied.	Epoch of Obs.	Decl. 1885.0	P. M. applied.
No. 2812. Mag. 7.2.		h. m. s.	s.		° ′ ″	″
Lal.	1798.39	17 04 14.53	.....	1798.39	—20 30 01.1	18.5
Lam.	1830.02	15.07	.....	1830.02	11.1	22.2
Cape '50	1851.60	14.97	.....	1851.04	14.5	21.3
Bonn VI.	1853.37	14.75	.....	1853.37	14.3	20.7
Brux.	1871.50	14.78	.....	1865.51	16.7	20.6
Tac.	1868.53	14.63	.....	1868.53	17.2	20.5
Yar.	1865.50	14.74	.....	1870.50	17.4	20.3
Cin.	1885.51	14.72	.....	1885.68	18.6	18.5
		P. M. small.			P. M. —0″.201	
No. 2822. Mag. 7.7.						
Lal.	1799.43	17 09 31.25	.....	1799.43	—21 43 05.0	21.4
O. A.	1850 50	31.02	.....	1850.50	10.8	17.4
Camb.	1851.50	31.15	.....	1851.52	16.7	23.1
Bonn VI.	1852.52	30.94	.....	1852.52	13.0	19.2
Tac.	1869.57	30.74	.....	1869.57	18.8	21.8
Cin.	1885.84	30.81	.....	1885.84	21.4	21.2
		P. M. small.			P. M. —0″.192	
No. 2824. Mag. 8.5.						
Lal.	1798.39	17 11 58.09	.....	1798.39	—20 30 57 0	65.1
O. A.	1849.45	58.41	.....	1849.45	62.7	66.0
Tac.	1868.55	58.32	.....	1868.55	61.9	63.4
Cin.	1885.76	58.41	.....	1885.76	66.0	65.9
		P. M. small.			P. M. —0″.093	
No. 2829. Mag. 8.2.						
Lal.	1798.39	17 13 12.59	13.27	1798.39	—19 51 22.5	37.0
Lam.	1847.56	13.13	13.43	1847.56	30.7	36.9
O. A.	1849.95	13.05	13.33	1849.95	32.1	37.9
Cin.	1886.21	13.27	13.26	1886.21	37.1	36.9
		P. M. +0s.0079			P. M.—0″.167	
No. 2836. Mag. 7.8.						
Lam.	1847.56	17 15 47.22	47.50	1847.56	—19 29 42.5	55.7
O. A.	1850.48	47.39	47.65	1850.48	44.9	57.0
Bonn VI.	1863.52	47.39	47.55	1863.52	50.6	58.2
Cin.	1886.44	47.59	47.58	1886.44	56.7	56.2
		P. M. +0s.0076			P. M. —0″.352	
No. 2853. Mag. 9.						
Lam.	1847.54	17 23 51.21	51.87	1847.54	—19 27 55.2	.....
O. A.	1849.42	51.34	51.97	1849.42	57.3	.....
Cin.	1886.44	51.94	51.92	1886.44	58.3	.....
		P. M. +0s.0176			P. M. small.	
No. 2858. Mag. 8 8.						
Wash. Mu. Cir. Z.	1849.48	17 26 06.2	.....	1849.48	—21 44 15.1	27.5
O. A.	1851.53	06.56	.....	1851.53	13.5	25.2
Cin.	1885.87	06.72	.....	1885.87	26.7	26.4
		P. M. doubtful.			P. M. —0″.348	
No. 2883. Mag. 8.5.						
Lal.	1795.55	17 37 46.50	.....	1795.55	—21 58 05.7	17.1
O. A.	1850.01	46.60	.....	1850.01	10.9	15.3
Tac.	1868.56	46.25	.....	1868.56	15.0	17.1
Cin.	1886.03	46.43	.....	1886.03	17.2	17.1
		P. M. small.			P. M. —0″.127	

	Epoch of Obs.	R. A. 1885.0	P. M. applied.	Epoch of Obs.	Decl. 1885.0	P. M. applied.
No. 2893. Mag. 8.		H. M. S.	S.		° ′ ″	″
Lal.	1795.52	17 44 55.58	.....	1795.52	—19 44 24.7	36.2
Bonn VI.	1853.46	55.62	.....	1853.46	28.7	32.7
Cin.	1885.86	55.48	.....	1885.86	37.0	36.9
		P. M. small.			P. M. —0″.128	
No. 2924. Mag. 8.2.						
Wash. Tr. Z.	1848.49	17 54 18.50	.....	1848.49	—19 57 23.9	32.3
Wash. Mu. Cir. Z.	1849.48	17.8	.....	1849.48	29.2	37.3
O. A.	1849.51	17.77	.....	1849.51	25.9	34.0
Cin.	1885.57	17.31	.....	1885.57	34.6	34.5
		P. M. uncertain.			P. M. —0″.229	
No. 2934. Mag. 8.2.						
Lal.	1795.55	17 58 29.30	.....	1795.55	—21 40 17.0	29.8
Bonn VI.	1853.45	28.96	.....	1853.45	24.4	29.9
Tac.	1868.53	28.81	.....	1868.53	23.8	26.2
Cin.	1885.55	28.71	.....	1885.55	31.8	31.7
		P. M. small.			P. M. —0″.143	
No. 2993. Mag. 8.5.						
Lal.	1795.52	18 13 39 30	.....	1795.52	—19 53 17.6	27.3
O. A.	1849.89	40.06	.....	1849.89	23.3	27.1
Tac.	1868.56	39.93	.....	1868.56	24.2	26.0
Cin.	1885.79	40.05	.....	1885.79	28.0	27.9
		P. M. doubtful.			P. M. —0″.108	
No. 3038. Mag. 7.5.						
Lal.	1795.55	18 25 48.92	.....	1795.55	—22 12 54.5	64.3
O. A.	1850.01	49.44	.....	1850.01	57.2	61.0
Yar.	1860.90	49.16	.....	1856.20	62.4	65.6
Tac.	1869.57	49.08	.....	1869.57	59.4	61.1
Cin.	1885.91	49.55	.....	1885.91	65.7	65.6
		P. M. doubtful.			P. M. —0″.109	
No. 3042. Mag. 7.2.						
Lal.	1795.52	18 27 36.34	.....	1795.52	—19 52 06.0	15.5
Lam.	1847.58	36.23	.....	1847.58	15.1	19.1
Bonn VI.	1853.47	36.83	.....	1853.47	11.1	14.4
Green. '60	1859.30	36.60	.....	1859.30	13.6	16.3
Cin.	1885.79	36.71	.....	1885.79	15.5	15.4
		P. M. small.			P. M. —0″.106	
No. 3136. Mag. 7.5.						
Lal.	1795.55	18 57 27.24	.....	1795.55	—21 41 44.0	54.3
Cape '50	1851.70	27.33	.....	1851.12	53 3	57.2
Bonn VI.	1853.45	27.46	.....	1853.45	52.0	55.6
Brux.	1868.46	27.27	.....	1867.59	53.6	55.6
Yar.	1869.60	27.44	.....	1868.70	50.9	52.8
Cin.	1885.56	27.46	.....	1885.56	54.7	54.6
		P. M. small.			P. M. —0″.115	
No. 3154. Mag. 8.2.						
Lam.	1847.58	19 02 50.24	49.71	1847.58	—21 38 10.8	24.9
O. A.	1849.89	50.52	50.02	1849.89	08.0	21.3
Yar.	1868.60	50.03	49.81	1855.70	15.2	26.3
Brux.	1871.63	49.93	49.74	1871.84	19.5	24.5
Cin.	1885.58	49.90	49.91	1885.58	23.8	23.6
		P. M. —0s.0141			P. M. —0″.378	

	Epoch of Obs.	R. A. 1885.0	P. M. applied.	Epoch of Obs.	Decl. 1885.0	P. M. applied.
No. 3167. Mag. 8.5.		H. M. S.	S.		° ′ ″	″
Lal.	1795.52	19 06 01.26	00.34	1795.52	—19 25 12.5	21.7
Lam.	1847.58	00.75	00.36	1847.58	15.4	19.3
Bonn VI.	1852.77	00.52	00.19	1852.77	16.6	19.9
Cin.	1886.09	00.35	00.36	1886.09	22.4	22.3
		P. M. —0s.0103			P. M. —0″.103.	
No. 3186. Mag. 8.3.						
Lal.	1795.55	19 10 16.89	17.81	1795.55	—21 57 06.6	20.5
Lam.	1847.61	17.31	17.70	1847.61	16.4	22.2
O. A.	1849.67	17.39	17.75	1849.67	16.0	21.5
Cin.	1885.92	17.84	17.83	1885.92	20.4	20.3
		P. M. +0s.0103			P. M. —0″.155	
No. 3251. Mag. 9.						
O. A.	1850.13	19 29 22.62	.....	1850.13	—19 50 40.5	49.1
Yar.	1868.60	22.37	.....	1863.30	43.8	49.1
Cin.	1886.28	22.30	.....	1886.61	49.5	49.1
		P. M. small.			P. M. —0″.246	
No. 3336. Mag. 8.						
Lal.	1795.55	19 59 49.31	47.82	1795.55	—21 59 50.2	66.2
Lam.	1830.03	48.85	47.93	1830.03	59.1	68.9
Lam.	1848.17	48.52	47.91	1848.17	62.6	69.2
O. A.	1850.76	48.47	47.90	1850.76	60.7	66.8
Tac.	1867.75	48.03	47.74	1867.75	65.8	68.9
Cin.	1885.92	47.88	47.90	1885.92	65.8	65.6
		P. M. —0s.0167			P. M. —0″.179	
No. 3388. Mag. 8.7.						
Lam.	1829.18	20 16 46.29	48.51	1829.18	—21 41 10.6	77.6
Lam.	1847.79	46.87	48.35	1847.79	34.2	78.9
O. A.	1849.72	47.04	48.44	1849.72	38.7	81.1
Cin.	1886.12	48.52	48.48	1886.12	79.6	78.3
		P. M. +0s.0397			P. M. —1″.201	
No. 3452. Mag. 8.2.						
Lal.	1795.64	20 34 14.38	.....	1795.64	—19 10 28.8	66.7
Lam.	1847.58	14.39	.....	1847.58	53.1	69.0
O. A.	1849.69	14.33	.....	1849.69	47.5	62.4
Yar.	1868.80	14.58	.....	1855.80	55 0	67.3
Cin.	1886.31	14.72	.....	1886.31	67.2	66.6
		P. M. small.			P. M. —0″.423	
No. 3536. Mag. 8.5.						
Lal.	1795.64	20 56 35.68	34.70	1795.64	—19 45 58.1	70.8
O. A.	1849.69	35.06	34.67	1849.69	64.8	69.8
Cin.	1885.68	34.69	34.70	1885.68	71.0	70.9
		P. M. —0s.0110			P. M. —0″.142	
No. 3584. Mag. 9.						
Lam.	1847.69	21 13 45.49	45.12	1847.69	—20 18 25.1	51.4
O. A.	1849.79	45 60	45.25	1849.79	25 1	49.9
Bonn VI.	1851.78	45.60	45.27	1851.78	26.1	49.6
Cin.	1885.98	45.19	45.20	1885.98	51.1	50.4
		P. M. —0s.0100			P. M. —0″.705	

	Epoch of Obs.	R. A. 1885.0	P. M. applied.	Epoch of Obs.	Decl. 1885.0	P. M. applied.
		H. M. S.	S.		° ′ ″	″
No. 3611. Mag. .						
Lal.	1795.64	21 20 60.88	.....	1795.64	—20 42 18.6	29.4
Lam.	1847.77	59.81	.....	1847.77	24.7	29.2
O. A.	1849.72	59.73	.....	1849.72	26.2	30.5
Cin.	1885.68	60.01	.....	1885.93	29.4	29.3
		P. M. doubtful.			P. M. —0″.121	
No. 3613. Mag. .2.						
Lal.	1795.64	21 21 38.43	.....	1795.64	—22 12 31.6	61.2
Lam.	1832.99	39.53	.....	1833.78	45.5	62.5
Rūm.	1836.00	39.52	.....	1836.00	46.1	62.4
Lam.	1847.67	39.53	.....	1847.67	53.1	65.5
Bonn VI.	1852.74	39.54	.....	1852.74	49 5	60.2
Bonn VI.	1865.47	39.59	.....	1865.47	55.5	62.0
Brux.	1866.72	39.18	.....	1870.20	58.0	62.9
Cin.	1886.15	39.54	.....	1886.15	61.4	61.0
		P. M. small.			P. M. —0″.332	
No. 3 37. Mag. 6.						
Brad.	1755.00	22 41 23.51	22.39	1755.00	—20 12 20.5	45.8
Abo	1830.00	22.84	22.37	1830.00	33.7	44.4
Lam.	1835.82	22.92	22.50	1835.82	35.7	45.3
Cape	1852.11	22.74	22.46	1850.67	38.9	45.6
Brux.	1854.40	22.63	22.37	1852.77	39.5	45.9
Brux.	1874.77	22.46	22.37	1862 80	42.6	46.9
Rad. '83	1883.93	22.47	22.46	1883.93	45.2	45.4
Cin.	1885.76	22.36	22.37	1885.76	45.3	45.2
		P. M. —0s.0086			P. M. —0″.195	
No. 3882. Mag. 6.2.						
Lal.	1798.81	22 56 36.33	.....	1798.81	—21 28 49.1	65.1
O. A.	1849.73	35.86	.....	1849.73	56.8	63.3
Cin.	1885.74	35.70	.....	1885.74	65.4	65.3
		P. M. small.			P. M. —0″.186	
No. 3981. Mag. 7.5.						
Lal.	1795.89	23 34 34.49	36.64	1795.89	—19 37 25.3	.....
O. A.	1849.83	35 85	36.70	1849.83	27.6	.....
Brux.	1870.38	36.27	36 63	1869 75	29.8	.....
Cin.	1886.02	36.67	36.69	1886.02	26.6	.....
		P. M. +0s.0242			P. M. small.	
No. 4029. Mag. 7.5.						
O. A.	1849.86	23 53 28.58	29.99	1849.86	—20 39 46.7	57.2
Yar.	1865 30	29.18	29.98	1867.80	52.9	58.0
Brux.	1872 26	29.42	29.94	1870 77	54.4	56.6
Cin.	1885.84	30.04	30.01	1885.84	57.3	57.1
		P. M. +0s.0403			P. M. —0″.299	

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